






ABILENE INDEPENDENT SCHOOL DISTRICT

Glimpses of My Future

College and Career Planning Guide
2014-2015



ABILENE INDEPENDENT SCHOOL DISTRICT

COLLEGE AND CAREER

PLANNING GUIDE

2014-2015

ABILENE INDEPENDENT SCHOOL DISTRICT
2014-2015

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Abilene Independent School District

GOALS

- AISD will demonstrate continuous improvement in academic achievement and eliminate achievement gaps.
- AISD will prepare all students for success in college and workforce readiness.
- AISD will provide facilities that are designed to meet today's standards and programs in a safe environment that is conducive to learning.
- AISD will secure and retain an effective staff that is reflective of and responsive to the district's student body.

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GENERAL INFORMATION

CLASSIFICATION

Classification is determined at the beginning of each school year based on the number of credits the student has earned by that time. Students, grades 9-12, will be classified on the following basis:

Credits Earned	Classification of Student
Promoted from grade 8	Grade 9 (Freshman)
6 (must include Algebra I and English I)	Grade 10 (Sophomore)
12	Grade 11 (Junior)
18	Grade 12 (Senior)

COURSE LIMITATIONS

Some courses listed in this guide may not work with some students' schedules due to availability, scheduling conflicts, or cancellations resulting from limited enrollment; therefore, students should always plan for alternative courses in case their first choices are unavailable.

Courses listed in the College and Career Planning Guide in the year which the student enters the 9th grade may or may not be offered in subsequent years, and additional courses may be added in subsequent years. Courses may be offered but will not be scheduled unless enrollment is sufficient to do so. New courses may be added by the Texas Education Agency and the State Board of Education or by local decision at any time.

Graduation requirements with Endorsements are established by the State Board of Education and Legislature. Starting with the freshman class of 2014-15, a new Foundation Plan will be implemented. Students who started high school before 2014-15 may opt to switch to this plan or complete their current plans.

COURSES

Students should be enrolled in 7 classes per semester. Students enrolled in Career Preparation or a Practicum course must take a minimum of 5 classes a day. A senior who is not on the Recommended or Distinguished Graduation Achievement plan, or the Foundation Plan with an endorsement and/or has not passed state assessments for graduation must be enrolled in seven (7) instructional classes per semester and will not be eligible for a reserve period.

To compete in UIL-sanctioned activities, students must be enrolled in school for a minimum of 5 credit bearing periods a day.

When registering for classes, please note that AISD will offer transportation between Abilene High and Cooper High, when possible, to accommodate students desiring to take courses not offered at their home campus.

HIGH SCHOOL COURSES OFFERED IN MIDDLE SCHOOL

Students who satisfactorily complete Algebra I, Geometry, Pre-AP Art I (full year) and/or Spanish I in middle school will receive the state required graduation credit(s) for grades 9-12.

Students who satisfactorily complete Principles of Manufacturing, Business Information Management, Communication Applications, or Health in middle school will receive state graduation elective credit for these courses.

High school courses taken in middle school are not used in high school GPA calculations.

CREDITS

Students may earn credit in summer school immediately following promotion from the 7th grade.

Students are required to obtain approval in advance from the principal or appointed designee in order to take a distance learning course.

Students enrolled in grades 9-12 may be awarded credit toward high school graduation for completing college-level courses. Such courses shall be provided only by institutions of higher education that are accredited by one of the following accrediting agencies:

- Southern Association of Colleges and Schools
- Middle States Association of Colleges and Schools
- New England Association of Schools and Colleges
- North Central Association of Colleges and Schools
- Western Association of Schools and Colleges
- Northwest Association of Schools and Colleges

To be eligible to enroll and be awarded credit toward state graduation requirements, a student should enroll in district approved dual credit course(s).

STATE ASSESSMENTS

To graduate from high school in the state of Texas, students must have satisfactory performance on the five State of Texas Assessments of Academic Readiness (STAAR) End-of-Course Assessments for the following: English I, English II, Algebra I, Biology and U.S. History.

NINTH GRADE ACADEMY

To assist ninth grade students with the transition from middle school to high school Abilene Independent School District created the **Ninth Grade Academies** at Abilene and Cooper High Schools. Emphasis is placed on the development of the whole student – academics, extracurricular, and building positive relationships. Students are scheduled with a team of core area teachers similar to the schedule at middle school, and the academy classes are located in specially designated areas on each campus. The Academies have a principal, assistant principal, and counselor to serve ninth grade students only. The core team of teachers is available for conferencing with parents and students. Since the pilot Academy began in 2005-06, the number of ninth graders failing core classes has decreased, attendance has improved, and more students have advanced to tenth grade.

STUDENTS TRANSFERRING TO ABILENE ISD

The following guidelines apply to the evaluation of the transcripts of students transferring to the Abilene Independent School District:

- No credit will be given for office aide and Driver's Education.
- Units of credit granted by high schools accredited by the Texas Education Agency, Texas Private School Accreditation Association, other state education agencies, or Department of Defense Schools will be honored.
- Units of credit earned from non-accredited schools and home study programs will require validation according to the following guidelines:
  - Credit for elective courses may be accepted, subject to review.
  - Required courses taken in sequence can validate credit in previously completed courses. (Example: English III completed successfully will validate English I and English II. Algebra II completed successfully will validate Algebra I).
  - Required courses that have no sequential course must be validated by examination or administrative approval. (Example: Geometry, World History, United States History).

PHYSICAL EDUCATION SUBSTITUTIONS

Students may receive TEA approved physical education credit for the following activities:

Activity	Semester	Credits
Athletics	1st and 2nd	up to 4 credits
Athletic Trainer	1st and 2nd	up to 4 credits
Cheerleading	1st and 2nd	1 credit only
Drill Team	1st and 2nd	1 credit only
Pep Squad	1st and 2nd	1 credit only
Marching Band	1st only	1 credit only
JROTC	1st and 2nd	up to 4 credits

Private or Commercially-Sponsored Physical Activity Programs:
Students may also receive physical education credit by participating in private or commercially-sponsored physical activity programs, such as dance or martial arts, which have been approved by the Superintendent or designee. Students participating in this program may not be enrolled in another physical education class or athletics. Grades will be recorded as pass/fail and will not be calculated for GPA. Students interested in this program should contact the school counselor for an application.

SPECIAL EDUCATION

The special education department offers identified students with disabilities opportunities to develop abilities in the least restrictive environment. The ARD committee determines the course sequence for special education students as the graduation plan for each student is developed.

CREDIT BY EXAMINATION

CREDIT BY EXAM WITHOUT PRIOR INSTRUCTION

AVAILABILITY

Credit by Examination without prior instruction will be available to Abilene ISD students enrolled in grades 7-12 in the following courses:

Art 1
Algebra I, II
Biology
Chemistry
Economics
English I, II, III, IV
Environmental Systems
French I, II
Geometry
German I, II
Government
Health
Integrated Physics and Chemistry (IPC)
Latin I, II
Mathematical Models with Applications
Physics
Pre-Calculus
Spanish I, II
US History
World Geography
World History

UTILIZATION OF EXAMINATION SCORES

Credit for the respective course will be granted if a student scores at or above 80 on the placement examination. The examination score will be recorded on the academic achievement record transcript as the course grade. Grades earned through the credit by examination process will not be used in determining grade point averages or to establish eligibility.

CREDIT BY EXAM WITH PRIOR INSTRUCTION

AVAILABILITY

Subject to the limitation and eligibility criteria outlined in these guidelines, the credit by examination with prior instruction process will be available to Abilene ISD students enrolled in grades 7-12 who have failed any of the following courses:

Accounting
Algebra I, II
Art I
Banking and Financial Services
Business Information Management I
Biology
Business Law (1/2 credit)
Chemistry
Child Development (1/2 credit)
Communication Applications
Digital and Interactive Media
Dollars and Sense
Economics
English I, II, III, IV
Foundations of Personal Fitness
French I, II
Geometry
Government
Health
Individual Sports
Integrated Physics and Chemistry (IPC)
Math Models with Applications
Money Matters
Nutrition and Wellness
Physics
Principles of Information Technology
Pre-Calculus
Psychology
Sociology
Spanish I, II, III
Team Sports
Theatre Arts
Touch Systems Data Entry (1/2 credit)
US History
World Geography
World History

UTILIZATION OF EXAMINATION SCORES

Credit for the respective course will be granted if a student scores a grade at or above 70 on the examination. The examination score will be recorded on the academic achievement record transcript as the course grade. Grades earned through the credit by examination process will not be used in determining grade point averages or to establish eligibility.

EXAMINATION

All examinations are purchased from an approved university. Any student taking an exam must pay the examination fee charged by the university.

LIMITATION

Students who failed a course because they exceeded the maximum number of absences may not use credit by examination to receive credit for the respective course. Only 2 credits may be earned through credit by exam or correspondence.

STUDENT ELIGIBILITY

Unless excluded by the above limitation, a student will be permitted to attempt to receive credit by examination for a course if the following criteria are met:

- A written application which reflects parental approval has been submitted;
- The application is approved by the campus principal or designee.

DETERMINING GRADE POINT AVERAGE

The final grade point average (GPA) to determine the class rank for graduating students is computed by averaging the semester grades beginning with grade 9 and ending with the fifth six week grading period of the final year. The second semester average for the final year is determined by averaging the grades for the fourth and fifth six-week grading periods.

If a course is retaken, the highest grade will be used in GPA calculations. Grades earned from high school courses taken in middle school, from dual-credit courses, from distance learning courses, and through credit by examination are not used in GPA calculations.

The formula used for computing GPA is as follows:

$$\frac{\text{(sum of grades)}}{\text{(number of grades)}} + \frac{\text{(number of AP/IB/local advanced honors grades 70 or above X 10)} + \text{(number of PreAP/IB/local honors grades 70 or above x 5)}}{\text{(standard number of grades accumulated at this point in academic career)}} = \text{GPA}$$

The "standard number of grades accumulated" is as follows:

All graduates - 56
Mid-term Senior (7 semesters) - 49
Junior (6 semesters) - 42
Sophomore (4 semesters) - 28
Freshman (2 semesters) - 14

The valedictorian will be the student graduating with the highest GPA. The salutatorian will be the student with the second highest GPA. If a tie occurs, co-valedictorians will be named.

The four other students with the highest GPA in the graduating class, together with the valedictorian and salutatorian, will appear on the platform and be officially recognized as part of the commencement program. The 25 top-ranking students will be designated. Students with a GPA of 90 or above will be designated as honors graduates on the commencement program.

To be eligible for graduation honors described above, a student must complete the final two semesters prior to graduation in the District. Completion of a semester is defined as receiving semester grades from a District School.

Grades for transfer students will be recorded and averaged as received. Letter grades will be converted to numerical grades as follows:

A	=	95
B	=	85
C	=	77
D	=	72
F	=	no credit

A student may earn a maximum of one credit for a regular academic course, an advanced placement course, or a credit by examination course with the same Texas Education Agency course number or one which covers the same required essential knowledge and skills.

Note: Juniors who wish to graduate early must notify the campus registrar and counselor of intent to graduate early. The deadline will be the end of the fourth six-weeks grading period of the junior year. Students must return the "Intent to Graduate Early" form to the counselor.

Students will have an annual review of their graduation plan to assess progress, discuss necessary adjustments and update the plan to revise course choices in order to meet new or additional goals. Students will be advised of courses recommended for college and career preparation and should keep themselves informed of changes in entry requirements and career trends. Parents/guardians will be consulted if major changes occur.

(Note: In addition to completing curriculum requirements for graduation, all students must pass the required End-of-Course tests and complete the final semester of work to receive a diploma.)

Foundation High School Program with Endorsements

Students entering Grade 9 in the 2014-15 school year and thereafter must complete the curriculum requirements of the **Foundation High School Program with Endorsements** for graduation in the Abilene Independent School District. Students who complete the Foundation High School Program including Algebra II as one of four mathematics credits and the credit requirements specific to at least one endorsement will graduate with the **Distinguished Level of Achievement.** Students who entered Grade 9 before 2014-15 may transition to the Foundation Plan with Endorsements or the Distinguished Level of Achievement. All students shall specify in writing the endorsement(s) the student intends to earn. Distinguished Level of Achievement allows students to be eligible for college admission under the top 10% automatic admissions provision.

Endorsements can be found on page 12.

A student may also earn **Performance Acknowledgements** that will be placed on the student's diploma and transcript. Performance Acknowledgements may be earned by completing the following:

1. Outstanding Performance in a Dual Credit course:
   - at least 12 hours of college academic courses, including those taken for dual credit as part of the Texas core curriculum and advanced technical credit courses and locally articulated courses, with a grade of the equivalent of 3.0 or higher on a scale of 4.0; or
   - an associate degree while in high school.

2. Outstanding Performance in Bilingualism or Biliteracy:
   - Completing all English Language Arts requirements and maintaining a minimum GPA of the equivalent of 80 on a scale of 100 and satisfying one of the following:
     - completion of a minimum of three credits in the same language in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; and satisfying one of the following:
       - demonstrated proficiency in the Texas Essential Knowledge and Skills for Level IV or higher in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
       - completion of at least three credits in foundation subject area courses in a language other than English with a minimum GPA of 80 on a scale of 100; or
       - demonstrated proficiency in one or more languages other than English through one of the following methods:
         - score of 3 or higher on a College Board Advanced Placement exam for a language other than English, or
         - score of 4 or higher on an International Baccalaureate Exam (IB) for a higher-level language other than English courses, or
         - performance on a national assessment of language proficiency in a language other than English of at least Intermediate High or its equivalent.
   - ELL students must complete the above criteria and also have participated and met the exit criteria for a bilingual or ESL program and scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS).

3. Outstanding Performance on a College Board Advanced Placement test or International Baccalaureate examination by earning:
   - a score of three or above on a college Board advanced placement examination
   - a score of four or above on an International Baccalaureate examination for a higher-level course.

4. Outstanding Performance on the PSAT, the ACT-PLAN, the SAT or the ACT:
   - a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, as part of the National Hispanic Recognition Program (NBHRP) of the College Board or as part of the National Achievement Scholarship Program of the National Merit Scholarship Corporation; or.
   - achieving the college readiness benchmark score on at least two of the four subject tests on the ACT PLAN exam; or
   - a combined critical reading and mathematics score of at least 1250 on the SAT; or
   - a composite score on the ACT exam (without writing) of 28.

5. Earning a nationally or internationally recognized business or industry certification or license:
   - performance on an examination or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification; or
   - performance on an examination sufficient to obtain a government–required credential to practice a profession.

(Note: In addition to completing curriculum requirements for graduation, all students must pass the required End-of-Course tests and complete the final semester of work to receive a diploma.)

Recommended and Distinguished Achievement Graduation Plans

Students who entered Grade 9 before 2014-15 may choose to transition to the Foundation High School Plan with Endorsements or may remain on the Recommended and Distinguished Achievement Plans until September 1, 2018. See page 13 for requirements for the Recommended and Distinguished Plans.

Distinguished Achievement Program

The Distinguished Achievement Program recognizes students who demonstrate levels of performance equivalent to college students or work done by professionals. To complete the Distinguished Achievement Program, students must meet all of the requirements noted on page 11 and complete four advanced measures. The four advanced measures must come from any combination of the following:

- Original research/project (no more than two of the four advanced measures):
  - Individual product of professional quality as judged by a panel of professionals in the field that is the focus of the project;
  - Conducted under the direction of mentor(s) and reported to an appropriate audience; and
  - Related to the required curriculum (TEKS).

Students must be enrolled in an approved course or under the supervision of an Abilene ISD teacher to complete an advanced measure in this category. External evaluation of a project must be maintained in the student's cumulative folder and documented on the student's permanent record.

- Test Data
  - One or more scores of three or above on a College Board Advanced Placement examination.
  - A score on the Preliminary Scholastic Assessment Test (PSAT) that qualifies a student for recognition as a Commended Scholar or higher by the National Merit Scholarship Corporation; as part of the National Hispanic Scholar Program of the College Board; or as part of the National Achievement Scholarship Program for Outstanding Black American high school students. The PSAT score shall count as only one advanced measure regardless of the number of honors received by the student.

- College Courses
  - A grade of 3.0 or higher on courses that count for college credit.

IMPORTANT NOTICE TO PARENTS

Students are eligible for admission to any general academic teaching institution (4-year state university) if they have completed the **Recommended / Distinguished Achievement Program or Foundation High School Plan**. Students graduating on the Minimum Program may not be eligible for admission to a 4-year university. The legislation also adds the requirement that students in the top 10 percent of their high school graduating class are eligible for automatic admission to institutions of higher education *only* if they have completed the Recommended / Distinguished Achievement Program or the Foundation Distinguished Level diploma program.

(Requirements for graduation plans to earn a high school diploma are on page 12-13.)

Foundation School Program with Endorsements
(Requirements for Students Entering Grade 9 in 2014-2015)

REQUIRED COURSES	FOUNDATION SCHOOL PROGRAM WITH ENDORSEMENTS *(STUDENTS WHO ENTER GRADE 9 BEFORE 2014-2015 MAY TRANSITION TO THE FOUNDATION PROGRAM WITH ENDORSEMENTS)*
ENGLISH LANGUAGE ARTS	**4 Credits English:** ELA I, II, III and one credit in any authorized advanced English course (see pg.14 for course list).
MATHEMATICS	**4 Credits Mathematics:** Algebra 1**,** Geometry, two credits in any authorized advanced math course (STEM must take Algebra II.) **Distinguished Level of Achievement:** Algebra I, Geometry, Algebra II, one credit in any authorized advanced math course (see pg. 14 for course list.)
SCIENCE	**4 Credits Science:** Biology, two credits in any advanced science course, one credit in IPC, Chemistry or Physics (see pg.14 for course list).
SOCIAL STUDIES	**3 Credits Social Studies:** US History, Government, Economics, World Geography or World History
PHYSICAL EDUCATION	**1 Credit:** Required credit may be from any combination of the following one-half to one credit courses: Foundations of Personal Fitness, Adventure/Outdoor Education, Aerobic Activities, or Team or Individual Sports. Credit may not be earned for any TEKS-based course more than once. Credit for any of the courses listed above may be earned through participation in the following activities: Athletics (up to 4 credits) Approved private/commercial (up to 4 credits) JROTC (1 credit) Drill Team (up to 1 credit) Marching Band (up to 1 credit) Cheerleading (up to 1 credit)
LANGUAGES OTHER THAN ENGLISH	**2 Credits**. In the same language or 2 credits selected from Computer Science I,II, or III.
FINE ARTS	**1 Credit**
ELECTIVES	**7 Credits** Must be selected from the State Board of Education approved courses for grades 9-12
TOTAL CREDITS	**26 (22 + 4 from Endorsements)**

Endorsements

STEM	BUSINESS/INDUSTRY	PUBLIC SERVICE	ARTS & HUMANITIES	MULTIDISCIPLINARY STUDIES
▪ Science, Technology, Engineering, & Mathematics (STEM)	▪ Agriculture, Food & Natural Resources ▪ Architecture & Construction ▪ Arts, Audio-Visual Technology & Communications ▪ Business Management & Administration ▪ Finance ▪ Hospitality & Tourism ▪ Information Technology ▪ Manufacturing ▪ Marketing ▪ Transportation, Distribution & Logistics	▪ Education & Training ▪ Government & Public Administration ▪ Health Science ▪ Human Services ▪ Law, Public Safety, Corrections & Security ▪ Four years JROTC	▪ Arts ▪ Humanities	Select courses from the curriculum of each of the other endorsement areas; Credits in a variety of advanced courses from multiple content areas sufficient to complete the distinguished level of achievement under the foundation program.

PERFORMANCE ACKNOWLEDGEMENTS

- **Outstanding performanc**e: Dual credit coursework; bilingualism, bi-literacy; college AP or IB exam; PSAT, ACT-PLAN, SAT or ACT
- **Certification:** Nationally or internationally recognized business or industry certification or license

(see pg. 10 for details)

Note: Guidelines in the College and Career Planning Guide are subject to change based on updates from the Texas Education Agency, the State Board of Education and the Texas Legislature. Any updates will be placed in the online version of the College and Career Planning Guide.

Recommended and Distinguished Achievement Program Requirements for Students That Entered Grade 9 in 2010-2011, 2011-2012, 2012-2013, or 2013-2014

REQUIRED COURSES	RECOMMENDED AND DISTINGUISHED ACHIEVEMENT PROGRAM**	MINIMUM PROGRAM (THIS PLAN IS ONLY FOR STUDENT WHO HAVE SPECIAL PERMISSION THROUGH A COMMITTEE)
ENGLISH LANGUAGE ARTS	**4 Credits:** English I, II, III, IV (English I, II for Speakers of Other Languages may be substituted for English I and II for immigrant students with Limited English proficiency), or concurrent enrollment in a college English course.	**4 Credits:** English I, II, III, (English I, II for Speakers of Other Languages may be substituted for English I and II for immigrant students with Limited English proficiency). The fourth credit of English may be satisfied by English IV, Creative /Imaginative Writing Literary Genres, Practical Writing Skills, Journalism, Business English (CTE) or concurrent enrollment in a college English course.
MATHEMATICS	**4 Credits:** Algebra I, Geometry, Algebra II, and a fourth state approved math Course (see pg.15 for course list). Mathematical Models with Applications* may count as a fourth credit, but must be completed prior to Algebra II. Algebra I taken in middle school will count a one of four required graduation requirements. *Mathematical Models with Applications is not approved for the Distinguished Achievement Graduation Plan.	**3 Credits:** Algebra 1, Geometry, and a third state approved math Algebra I taken in middle school will count as one of three required graduation credits.
SCIENCE	**4 Credits:** Biology, Chemistry, Physics and a fourth science state approved science course (see pg.15 for course list). IPC may be fourth credit but must be completed prior to chemistry and physics. *Integrated Physics and Chemistry (IPC) and Principles of Technology I are not approved for the Distinguished Achievement Graduation Plan.	**2 Credits:** Biology and Integrated Physics and Chemistry (IPC). Chemistry, Principles of Technology, or Physics may be substituted for IPC, but must use the other of these as academic elective credit.
SOCIAL STUDIES	**4 Credits:** World History, World Geography, United States History, Government (one-half credit), Economics (one-half credit)	**3 Credits:** World History or World Geography, United States History, Government (one-half credit) Economics (one-half credit)
PHYSICAL EDUCATION	**1 Credit**: Required credit may be from any combination of the following one-half to one credit course: Foundations of Personal Fitness, Adventure/Outdoor Education, Aerobic Activities, or Team or Individual Sports. Credit may not be earned for any TEKS-based course more than once. Credit for any of the courses listed above may be earned through participation in the following activities: Athletics (up to 4 credits) Approved private/commercial (up to 4 credits) JROTC (1 credit) Drill Team (up to 1 credit) Marching Band (up to 1 credit) Cheerleading (up to 1 credit)	**1 Credit**: Required credit may be from any combination of the following one-half to one credit course: Foundations of Personal Fitness, Adventure/Outdoor Education, Aerobic Activities, or Team or Individual Sports. Credit may not be earned for any TEKS-based course more than once. Credit for any of the courses listed above may be earned through participation in the following activities: Athletics (up to 4 credits) Approved private/commercial (up to 4 credits) JROTC (1 credit) Drill Team (up to 1 credit) Marching Band (up to 1 credit) Cheerleading (up to 1 credit)
LANGUAGES OTHER THAN ENGLISH	**2 Credits of the same language for Recommended Plan. 3 Credits of the same language for the Distinguished Achievement Plan.**	**None**
FINE ARTS	**1 Credit**	**1 Credit**
SPEECH	**.5 credit from either of the following:** *Communication Application *Professional Communications (CTE)	**.5 credit from either of the following:** *Communication Application *Professional Communications (CTE)
ELECTIVES	**5.5 credits for the Recommended Plan** **4.5 credits for the Distinguished Plan.** Must be selected from the State Board of Education approved courses for grades 9-12.	**11.5 approved graduation credits**: One credit must be selected from World History, World Geography, or any science course. If IPC is replaced with either Chemistry or Physics to meet the science requirements, one elective must be the other of these two science courses. All electives must be selected from the State Board of Education approved courses for grades 9-12.
TOTAL CREDITS	**26**	**26**

****Eligible for Top 10% automatic admission.**

Note: Guidelines in the College and Career Planning Guide are subject to change based on updates from the Texas Education Agency, State Board of Education and the Texas Legislature. Any updates will be placed in the online version of the College and Career Planning Guide.

APPROVED ADVANCED COURSES FOR THE FOUNDATION AND ENDORSEMENT HIGH SCHOOL PLAN

These courses satisfy the advanced course requirements for then new Foundation & Endorsement High School Plan in English, Mathematics, and Science.

ENGLISH LANGUAGE ARTS:

- Advanced Journalism: Newspaper III
- Advanced Journalism: Yearbook III/Literary Magazine
- AP English Language & Composition
- Business English
- Communications Applications (must be combined with another half-credit from this list)
- Creative Writing
- Debate III
- English IV or AP English Literature & Composition
- Independent Study in English: Hebrew Scriptures
- Independent Study in English: New Testament
- Independent Study in Speech
- Literary Genres
- Oral Interpretation III
- Public Speaking III
- Research and Technical Writing
- College Prep for Post-Secondary Readiness in English Language Arts
- Dual Credit Courses (see page 17)

MATHEMATICS:

- Algebra II or PAP Algebra II
- AP Calculus AB
- AP Computer Science
- AP Statistics
- Calculus
- Independent Study in Math
- Mathematical Applications in Agriculture, Food, and Natural Resources (CTE)
- Mathematical Models with Applications
- Pre-calculus or PAP Pre-calculus
- Statistics & Risk Management (CTE)
- College Prep for Post-Secondary Readiness in Mathematics
- Dual Credit Courses (see page 17)

SCIENCE:

- Anatomy & Physiology (CTE)
- AP Biology
- AP Chemistry
- AP Environmental Science
- AP Physics I: Algebra-Based
- AP Physics II: Algebra-Based
- Chemistry or PAP Chemistry
- Environmental Systems
- Medical Microbiology (CTE)
- Pathophysiology (CTE)
- Physics or PAP Physics
- Principles of Engineering (CTE)
- College Prep for Post-Secondary Readiness in Science
- Dual Credit Courses (see page 17)

*This list is subject to being updated at any time by the Texas Education Agency and the State Board of Education.

APPROVED ADVANCED CTE COURSES FOR THE FOUNDATION AND ENDORSEMENT HIGH SCHOOL PLAN BY CAREER CLUSTERS

AGRICULTURE, FOOD & NATURAL RESOURCES

- Mathematical Applications in Agriculture, Food and Natural Resources
- Agricultural Facilities Design and Fabrication
- Practicum In Agriculture, Food, and Natural Resources

ARCHITECTURE AND CONSTRUCTION

- Advanced Construction Technology
- Electrical Technology
- Advanced Electrical Technology
- HVAC and Refrigeration Technology (at Cisco College)
- Advanced HVAC and Refrigeration Technology (at Cisco College)
- Practicum in Construction Management

ARTS, A/V TECHNOLOGY, AND COMMUNICATIONS

- Advanced Fashion Design
- Practicum in Fashion Design

BUSINESS MANAGEMENT AND ADMINISTRATION

- Business Information Management I
- Business Information Management II
- Business Law
- Global Business
- Virtual Business
- Business Management
- Practicum in Business Management
- Practicum in Business Management II

EDUCATION AND TRAINING

- Instructional Practices in Education and Training
- Practicum in Education and Training

FINANCE

- Accounting II
- Statistics and Risk Management

HEALTH SCIENCE

- Medical Terminology
- Practicum in Health Science
- Practicum in Health Science II
- Anatomy and Physiology
- Medical Microbiology
- Pathophysiology

HOSPITALITY AND TOURISM

- Culinary Arts
- Practicum in Culinary Arts
- Practicum in Culinary Arts II

APPROVED ADVANCED CTE COURSES FOR THE FOUNDATION AND ENDORSEMENT HIGH SCHOOL PLAN BY CAREER CLUSTERS

HUMAN SERVICES

- Child Guidance I
- Child Guidance II
- Cosmetology I
- Cosmetology II

INFORMATION TECHNOLOGY

- Telecommunications and Networking
- Computer Technician
- Web Technologies
- Research in Information Technology Solutions

LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY

- Law Enforcement II
- Court Systems and Practices
- Correctional Services
- Security Services

MANUFACTURING

- Advanced Welding
- Practicum In Manufacturing

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM)

- Practicum in Science, Technology, Engineering, and Mathematics
- Computer Integrated Manufacturing (PLTW)
- Engineering Design and Development (PLTW)

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS

- Automotive Technology
- Advanced Automotive Technology
- Practicum in Transportation, Distribution, and Logistics

APPROVED COURSES FOR RECOMMENDED AND DISTINGUISHED GRADUATION PROGRAMS

Students who are on the Recommended or Distinguished Graduation Programs are required to have four credits in mathematics and science. Below are additional State Board approved courses that will satisfy the fourth credit in mathematics and science.

MATHEMATICS:

The fourth mathematics credit may be selected from the following:

- Mathematical Models with Applications – course must be taken before Algebra II (Recommended Plan only)
- Pre-Calculus or Pre-AP Calculus
- AP Statistics or Statics and Risk Management
- AP Calculus AB
- AP Calculus BC
- Independent Study in Mathematics
- Dual credit enrollment in college or university math course

The fourth credit may be selected from the following courses and may be taken after the completion of Algebra I and Geometry and either after the completion of or concurrently with Algebra II:

- Engineering Mathematics (CTE)
- Statistics and Risk Management (CTE)
- Mathematical Applications in Agriculture, Food and Natural Resources (CTE) (Recommended Plan only)

SCIENCE:

The fourth science credit may be selected from the following:

- Integrated Physics and Chemistry (IPC) – course must be successfully completed prior to chemistry and physics (Recommended Plan only)
- Environmental Systems
- Earth and Space Science
- AP Biology
- AP Environmental Science
- AP Chemistry
- AP Physics 1: Algebra-Based
- AP Physics 2: Algebra-Based
- AP Physics C
- Dual credit enrollment in college or university science course

The fourth credit may be selected from the following courses and may be taken after the completion of biology and chemistry and either after the completion of or concurrently of physics:

- Scientific Research and Design (CTE)
- Anatomy and Physiology (CTE)
- Engineering and Problem Solving (CTE)
- Medical Microbiology (CTE)
- Medical Pathophysiology (CTE)

ABILENE ISD EARLY COLLEGE OPPORTUNITIES FOR STUDENTS

The Abilene Independent School District offers the opportunity for students to earn college credit while in high school and save money on tuition through the following Early College Programs:

- ❖ Advanced Placement/Honors Program
- ❖ Dual Credit Courses with Cisco College, Abilene Christian University, Hardin-Simmons University, McMurry University, and Texas State Technical College-West Texas, Articulated Course Credit through the statewide Advanced Technical Credit (ATC) Program or other approved Texas colleges and universities. AISD may negotiate agreements with additional colleges for dual credit.
- ❖ Texas Virtual School Network (TxVSN)

❖ *ADVANCED PLACEMENT/HONORS PROGRAM*

PURPOSES OF ADVANCED PLACEMENT/HONORS COURSES

Advanced Placement courses are college level courses taken by high school students in which they may receive college credit by passing a national exam. Students must take an AP exam to receive college credit. Colleges and universities set their own standards for awarding credit. Over 90% of the U.S. colleges and universities as well as those in twenty other countries award credit for AP exams.

AP courses are taught by high school teachers or university professors who receive College Board training. Since AP students are working on a college level, AP courses are designated as Bonus Points courses, and the students receive additional points toward their GPA. All AP courses are open to students in grades 9-12 who are in good academic standing and have met the criteria for selection.

CRITERIA FOR SELECTION

Students who meet the following criteria should consider enrolling in Advanced Placement, PreAP or honors courses:

- ➢ Gifted and talented student;
- ➢ Have a semester grade of at least 80 in an AP, PreAP or honors course in the same or comparable academic area the previous semester;
- ➢ Have a grade of at least 90 in an on-level course in the same or comparable academic area the previous semester;
- ➢ Have teacher, counselor, or principal recommendation to enroll in the class.

NEW STUDENTS TO ABILENE ISD

A student new to Abilene ISD who has been enrolled in/or approved for an Advanced Placement, PreAP or honors program or the equivalent in a previous school will be offered placement in the Abilene ISD Advanced Placement program.

ADVANCED PLACEMENT/HONORS COURSES AVAILABLE

English	**Mathematics**	**Science**
PreAP English I	PreAP Algebra I	PreAP Biology
PreAP English II	PreAP Geometry	PreAP Chemistry
AP English III	PreAP Algebra II	PreAP Physics
AP English IV	PreAP Pre-Calculus	AP Biology
	AP Calculus	AP Chemistry
Fine Arts	AP Statistics	AP Physics 1: Algebra-Based
PreAP Art I	AP Computer Science	AP Physics 2: Algebra-Based
PreAP Art II – Drawing		AP Physics C
PreAP Art III –Drawing	**Social Studies**	AP Environmental Science
AP Art/Drawing Portfolio	PreAP World Geography	Principles of Engineering
AP 2D Design Portfolio III and IV	AP Human Geography	**Foreign Language**
PreAP Art II – Photography	AP World History	PreAP Spanish I
PreAP Art III – Photography	AP US History	PreAP Spanish II
AP 2D Design Portfolio –	AP US Government and Politics	PreAP Spanish III
Photography/Digital Imaging	AP Macroeconomics	AP Spanish IV
AP 3D Design Portfolio III and IV	AP European History	AP Spanish V
AP History of Art		PreAP French II
AP Music Theory		PreAP French III
		AP French IV

For additional information, see your counselor and visit www.apcentral.collegeboard.com

PROJECT LEAD THE WAY HONORS COURSES AVAILABLE

Introduction to Engineering Design
Principles of Engineering
Computer Integrated Manufacturing
Engineering Design and Development

❖ *DUAL CREDIT COURSES*

Abilene ISD students have dual credit opportunities at five local colleges and universities (Cisco College, Abilene Christian University, Hardin-Simmons University, McMurry University, and Texas State Technical College-West Texas) and through the state-wide Advanced Technical Credit (ATC) Program. AISD may negotiate agreements with additional colleges for dual credit. Additional dual credit courses may be added at any time. Students must meet eligibility criteria for each course.

Students may earn both high school and college credit at the same time when enrolled in a dual credit course. Credit is posted to the student's high school transcript and college transcript upon successful completion of the course. The student is taught and graded in the same way as college students who take the same course. **Grades received as dual credit are not included in GPA calculations.**

Dual enrollment classes are taught by one of the following teaching arrangements:

- The course may be taught on the college campus by a college instructor
- The course may be taught on a high school campus by a college instructor
- The course may be taught on a high school campus by a high school/college teacher

Policies regarding college tuition, fees, and required instructional supplies are set by the college or university. Students must meet specific college and Abilene ISD criteria before being accepted for enrollment in a dual credit course. Students should check with individual institutions of higher learning for admission requirements and details for awarding credit. Please note that students are responsible for the cost of tuition and books. Interested students should check with their counselor for information and requirements for enrollment.

CISCO COLLEGE DUAL CREDIT COURSES

CONTACT INFORMATION

Go to www.cisco.edu and click on dual credit for AISD for the required online application and the dual credit request form. Payment plan options, financial aid information and general information are also found on this website. If more information is needed, contact Grant Greenwood at grant.greenwood@cisco.edu or 325-794-4510.

CRITERIA FOR ENROLLMENT

Students must meet specific college and Abilene ISD criteria before being accepted for enrollment in dual credit courses.

- Students must have counselor and parent approval prior to enrollment.
- Students need to have TAKS, ACT or SAT scores available at registration. Check with college for score requirements.
- Students must be prepared to pay for tuition costs and books for dual credit courses.
- Students will be limited to six credit hours per semester. More than 6 credit hours require special permission from the principal.
- Cost is $204 per semester for a three-hour course and $272 for a four-hour course, plus the cost of books.

COURSES OFFERED

At this time the following courses will be taught at the Cisco College Abilene Educational Center during the regular school day and are open to Abilene ISD juniors and seniors.

Abilene ISD Courses	Fall Semester - Cisco	Spring Semester - Cisco	
C7111: US History (1 credit)	**HIST 1301:** US History I (to reconstruction)	**HIST 1302:** US History II (from reconstruction)	
C1321: English III (1 credit)	**ENGL 1301:** Composition I	**ENGL 1302:** Composition II	
C1421: English IV (1 credit)	**ENGL 2328:** American Literature II	**ENGL 2322:** British Literature I	
C7361: Economics (1/2 credit)	**ECON 2301:** Principles of Macroeconomics	**ECON 2301:** Principles of Macroeconomics	
C7331: Government (1/2 credit)	**GOVT 2305:** Federal Government	**GOVT 2305:** Federal Government	
C5356: Independent Study in Math 2 (1 credit)	**MATH 1314:** College Algebra	**MATH 1342:** Elementary Statistics	
C7281: Psychology (1/2 credit)		**PSYC 2301:** General Psychology	
C1145: Communication Applications (1/2 credit)	**SPCH 1315:** Public Speaking		
C8816: HVAC and Refrigeration Technology (2 credits)	**HVAC 1407:** Refrigeration Principles	**HVAC 1441:** Residential Air Conditioning	
C8817: Advanced HVAC and Refrigeration Technology (2 credits)	**HVAC 2441:** Commercial Air Conditioning	**HVAC 2438:** HVAC Installation and Start Up	
**08876: ***Court Systems and Practices (1 credit)	**CJSA 1313:** Court Systems and Practices		Taught on AISD campuses
08874 :* Law Enforcement I (1 credit)	**CJSA 1322:** Introduction to Criminal Justice		Taught on AISD campuses

*Students must successfully complete both semesters of the high school course to earn college dual credit.

ABILENE CHRISTIAN UNIVERSITY DUAL CREDIT COURSES

CONTACT INFORMATION

Contact Dr. Eric Gumm, ACU Registrar, registrar@acu.edu, 325-674-2300 or Craig Rideout, Admissions, car02b@acu.edu, 325-674-2899 for more information.

CRITERIA FOR ENROLLMENT

Students must meet specific college and Abilene ISD criteria before being accepted for enrollment in dual credit courses:

- Students must have counselor and parent approval prior to enrollment.
- Students must take or have taken the ACT or SAT and received a satisfactory score before enrolling in the dual credit class. Students, who have not taken the ACT or SAT, may also complete the English COMPASS placement exam with a satisfactory score in order to enroll in the English, dual credit class. The English COMPASS placement test is given on the ACU campus through the University Testing Center, and the cost is $10. The test takes approximately 45-60 minutes, and you may schedule to take the test by contacting the University Testing Center at 325-674-6400. The ACT is also offered on campus, and more information may be found at acu.edu/testing.
- Students will be limited to six credit hours per semester. More than 6 credit hours require special permission from the principal.
- **ACU is offering AISD students up to 80 full tuition grants to cover the cost for the dual credit courses listed in the AISD Program Guide.** Students will be responsible for paying an annual $50 program fee for taking dual credit at ACU as well as the purchase of textbooks.
- **The $50.00 fee is only associated with the 4 classes listed here and students taking classes outside of those will be charged $90.00 per hour plus the cost of the textbooks.**
- The maximum number of credit-hours per semester is 7.

COURSES OFFERED

These courses will be taught on the ACU campus during the regular school day and are open to Abilene ISD juniors and seniors. Courses consist of both high school and college students. Spaces in courses are limited and will be filled on a first-come, first-served basis. **All courses at ACU are eligible for dual credit, subject to approval by AISD and completion of the appropriate prerequisite for the course.**

Abilene ISD Courses	Fall Semester – ACU	Spring Semester - ACU
A1321: English III (1 Credit)	**ENG 111**: Composition and Rhetoric	**ENG 112:** Composition and Literature
A7281: Psychology (1/2 credit)	**PSYC 120:** Introduction to Psychology	
A1145: Communication Applications (1/2 credit)		**COMS 211:** Speech and Rhetoric *Coms 211 is subject to change with another social science class.
A9183, A9284: Computer Science I and II (2 credits)	**CS 120:** Programming I **(Online)**	

HARDIN-SIMMONS UNIVERSITY DUAL CREDIT COURSES

CONTACT INFORMATION

Contact Mr. Jim Jones, jjones@hsutx.edu, 670-1207 for more information.

CRITERIA FOR ENROLLMENT

Students must meet specific college and Abilene ISD criteria before being accepted for enrollment in dual credit courses:

- Students must have counselor and parent approval prior to enrollment.
- Students must take or have taken the ACT or SAT before starting the dual credit class. Check with the college for ACT or SAT given on their campus.
- Students must be prepared to pay for tuition costs and books for dual credit courses.
- Students will be limited to 6 credit hours per semester. More than 6 credit hours require special permission from the principal.
- Cost is $270 per course, plus the cost of books.

COURSES OFFERED

These courses will be taught on the HSU campus during the regular school day and are open to Abilene ISD juniors and seniors.

Abilene ISD Courses	Fall Semester – HSU	Spring Semester - HSU
H7111: US History (1 credit)	**HIST 1301:** U S History to 1876	**HIST 1302:** U S History Since 1876
H1145: Communication Applications (1/2 credit)	**COMM 1301:** Speech Communication	**COMM 1301:** Speech Communication

MCMURRY UNIVERSITY DUAL CREDIT COURSES

CONTACT INFORMATION
Contact Melody Roper, roper.melody@mcm.edu , 793-4893 for more information.

CRITERIA FOR ENROLLMENT
Students must meet specific college and Abilene ISD criteria before being accepted for enrollment in dual credit courses:

- Students must have counselor and parent approval prior to enrollment.
- Students must take or have taken the ACT or SAT before starting the dual credit class. Check with the college for ACT or SAT given on their campus.
- Students must be prepared to pay for tuition costs and books for dual credit courses.
- Students must have an official transcript in a sealed envelope from the high school, bacterial meningitis shot record, parent permission letter and counselor permission letter at time of registration. The bacterial meningitis shot must be less than 5 years old.
- Students will be limited to six credit hours per semester. More than 6 credit hours require special permission from the principal.
- Cost is $240 per semester for a 3-credit hour course and $160 for a 2-credit hours course, plus the cost of books.

COURSES OFFERED

These courses will be taught on the McMurry University campus during the regular school day and are open to Abilene ISD juniors and seniors.

Abilene ISD Courses	Fall Semester – McMurry	Spring Semester - McMurry	
M8931: Virtual Business (1/2 credit)	**BA 1310:** Contemporary Business	**BA 1310:** Contemporary Business	
M7281: Psychology (1/2 credit)		**PSYC 1340:** Introduction to Psychology	
M4902: Aerobic Activities (1/2 credit)	**HF 1210:** Fitness for Living (2 hour course) **Lab Required.** Can select from below: **HF 1210-52:** Circuit Training (WF 8- **HF 1210-53:** Tae Kwon **HF 1210-59:** Low Impact **HF 1210-60:** Zumba **HF 1210-61:** Yoga	**HF 1210:** Fitness for Living (2 hour course) **Lab Required.** Can select from below: **HF 1210-52:** Circuit Training **HF 1210-53:** Tae Kwon **HF 1210-59:** Low Impact **HF 1210-60:** Zumba **HF 1210-61:** Yoga	

TEXAS STATE TECHNICAL COLLEGE – WEST TEXAS

CONTACT INFORMATION
Contact Sandra Walker, sandra.walker@tstc.edu, 254-559-7716 for more information.

CRITERIA FOR ENROLLMENT
Students must meet specific college and Abilene ISD criteria before being accepted for enrollment in dual credit courses:

- Students must have counselor and parent approval prior to enrollment.
- Students must comply with the state-mandated college entrance exam the Texas Success Initiative (TSI), or equivalent test results through TAKS, SAT, ACT, or other approved test.
- Students must be prepared to pay for tuition costs and books for dual credit courses.
- Students who complete a 4-semester sequence of courses within a defined pathway earn a Technical Skills Mastery Award (TSMA) enabling them to enter the workforce at an entry level position with the necessary skills for their chosen field. They may also continue their education at TSTC to complete an Associates of Applied Science degree.
- Cost is $20 per credit hour ($60 for a three credit course; $80 for a four credit course) plus the cost of textbooks where applicable.

COURSES OFFERED
These courses may be offered online, on the high school campus, or at TSTC West Texas and are open to Abilene ISD juniors and seniors. Courses must be taken in the order listed below and students must complete all courses in a sequence to earn a Technical Skill Mastery Award certification.

		Texas State Technical College Course	
Type of Course	**Abilene ISD Courses**	**Fall Semester**	**Spring Semester**
Allied Health			
Online AISD Computer Lab	**T8841:** Principles of Health Science (1 credit)	**HITT 1301:** Health Data Content & Structure	**HITT 1345:** Health Care Delivery Systems
Online AISD Computer Lab	**T8842:** Medical Terminology (1/2 credit)	**HITT 1305:** Medical Terminology	
Online AISD Computer Lab	**T8849:** Pathophysiology (1/2 credit)		**MDCA 1302:** Human Disease/Pathophysiology
Accounting			
Online AISD Computer Lab	**T8838:** Accounting I (1 credit)	**ACNT 1325:** Principles of Accounting I	
Online AISD Computer Lab	**T8839:** Accounting II (1 credit)	**ACNT 1329:** Payroll Accounting	**ACNT 1311:** Computerized Accounting
Office Software Management			
AISD Classroom	**T8827:** Business Information Management II (1 credit)	**POFI 2340:** Advanced Word Processing	**ITSW 2334:** Advanced Spreadsheets
Online AISD Computer Lab	**T8962:** Problems and Solutions – Office Software Management (1 credit)	**ITSW 1310:** Introduction to Presentation Software	**POFI 2331:** Desktop Publishing
Visual Communications			
Online AISD Computer Lab	**T8819:** Graphic Design and Illustration (1 credit)	**ARTC 1317:** Design Communications I	**ARTC 1402:** Digital Imaging I
Online AISD Computer Lab	**T8963:** Problems and Solutions – Visual Communication (1 credit)	**ARTV 1351:** Digital Video	**IMED 1316:** Web Page Design I
AISD Classroom	**T8869:** Digital and Interactive Media (1 credit)	**ARTC 1317:** Design Communication	**ARTC 1402:** Digital Imaging I
Basics of Database & Web Programming			
AISD Classroom	**T8870:** Web Technologies (1 credit)	**ITSE 1402:** Introduction to C++ Programming	**ITSE 1311:** Beginning Web Programming
Online AISD Computer Lab	**T8964:** Problems and Solutions – Database and Web Programming (1 credit)	**ITSE 1332:** Introduction to Visual Basic.NET	**ITSE 1317:** Java Programming
Computer Networking			
AISD Classroom	**T8865:** Telecommunications and Networking (1 credit)	**ITNW 1325:** Fundamentals of Networking	**CPMT 1304:** Microcomputer System Software
Online AISD Computer Lab	**T8864:** Computer Maintenance (2 credit class) **T8924:** Computer Maintenance (1 credit class)	**ITSC 1325:** Personal Computer Hardware	**ITSY 1300:** Fundamentals of Information Security
Culinary Arts			
AISD Classroom	**T8852:** Practicum in Culinary Arts (1 credit)	**CHEF 1401:** Food Prep I	**CHEF 1401:** Food Prep I
Wind Energy			
Online AISD Computer Lab	**T8925:** Scientific Research and Design II (1 credit)	**WIND 1300:** Principles of Wind Energy	**WIND 1302:** Wind Safety
Online AISD Computer Lab	**T8925:** Scientific Research and Design III (1 credit)	**HYDR 1345:** Hydraulics and Pneumatics	**ELPT 1411:** Basic Electrical Theory

United States History Studies Since Reconstruction (US HIST)

Dual Enrollment – Cisco College

Course #: C7111 ***1 high school Social Studies credit***

PEIMS: 03340100 ***Grades: 11-12***

Cisco Course: United States History I (to reconstruction)

CC Course #: HIST 1301 ***3 college semester hours***

Survey of the political, social, economic, military, cultural, and intellectual history of the United States from the time of discovery to the end of the Civil War. Three lecture hours per week. This course is offered the Fall semester on the Cisco Abilene campus and is open to all AISD juniors and seniors.

Cisco Course: United States History II (from reconstruction)

CC Course #: HIST 1302 ***3 college semester hours***

Survey of the political, social, economic, military, cultural, and intellectual history of the United States from Reconstruction to the present. Three lecture hours per week. This course is offered the Spring semester on the Cisco Abilene campus and is open to all AISD juniors and seniors.

Prerequisites: World History, World Geography recommended

English III (ENG3)

Dual Enrollment – Cisco College

Course #: C1321 ***1 high school English credit***

PEIMS: 03220300 ***Grades: 11-12***

Cisco Course: Composition I

CC Course #: ENGL 1301 ***3 college semester hours***

Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. Three lecture hours per week. This course is offered the Fall semester on the Cisco Abilene campus and is open to all AISD juniors and seniors.

Cisco Course: Composition II

CC Course #: ENGL 1302 ***3 college semester hours***

Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis 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. Three lecture hours per week. Students who make a grade of D in ENGL1301 are strongly discouraged from taking ENGL 1302. This course is offered the Spring semester on the Cisco Abilene campus and is open to all AISD juniors and seniors.

Prerequisites: English II and ENGL 1301

English IV (ENG4)

Dual Enrollment – Cisco College

Course #: C1421 ***1 high school English credit***

PEIMS: 03220400 ***Grade: 12***

Cisco Course: American Literature II

CC Course #: ENGL 2328 ***3 college semester hours***

A survey of American literature from the Civil War to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character. Research or critical papers required. For repeatability purposes, students who take ENGL 2328 should not also take ENGL 2326 or ENGL 2327. Three lecture hours per week. This course is offered the Fall semester on the Cisco Abilene campus and is open to all AISD seniors.

Cisco Course: British Literature I

CC Course #: ENGL 2322 ***3 college semester hours***

A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Research or critical papers required. For repeatability purposes, students who take ENGL 2322 should not also take ENGL 2321 or 2323. Three lecture hours per week. This course is offered the Spring semester on the Cisco Abilene campus and is open to all AISD seniors.

Prerequisites: English III, ENGL 1301 and ENGL 1302

Economics with Emphasis on the Free Enterprise System and its Benefits (ECO-FE)

Dual Enrollment – Cisco College

Course #: C7361 ***½ high school Economics credit***

PEIMS #: 03310300 ***Grades: 11-12***

Cisco Course: Principles of Macroeconomics

CC Course #: ECON 2301 ***3 college semester hours***

A study of consumer problems of the individual and of the family in the American economy. Areas of study may include: money and credit management, saving and personal investment, estate planning, wills, buying food and clothing, home ownership or rental, transportation, insurance, taxes and consumer protection. Emphasis is placed on the role of man in relation to his economic environment and the decisions which must be made in the conduct of individual and collective economic activity. Consideration is given to the market system, national income accounting, and policy development. Three lecture hours per week. This course is offered the Fall or Spring semester on the Cisco Abilene campus and is open to all AISD juniors and seniors.

Prerequisites: None

Psychology (PSYCH)

Dual Enrollment – Cisco College

Course #: C7281 ***½ high school Social Studies credit***

PEIMS: 03350100 ***Grades: 11-12***

Cisco Course: General Psychology

CC Course #: PSYC 2301 ***3 college semester hours***

Survey of the major topics in psychology. Introduces the study of behavior and the factors that determine and affect behavior. Three lecture hours per week. This course is offered in the Spring semester on the Cisco Abilene campus and is open to all AISD juniors and seniors.

Prerequisites: None

Government (GOVT)

Dual Enrollment – Cisco College

Course #: C7331 ***½ high school Social Studies credit***

PEIMS: 03330100 ***Grades: 11-12***

Cisco Course: Federal Government

CC Course #: GOVT 2305 ***3 college semester hours***

Introduction to the theory and practice of politics and government in America at the national level. Topics include political theory, political culture, the United States Constitution, federalism, political participation and elections, the institutions of government, and domestic and foreign policies. Three lecture hours per week. This course is offered the Fall or Spring semester on the Cisco Abilene campus and is open to all AISD juniors and seniors.

Prerequisites: United States History, World History, World Geography recommended

Independent Study In Math II (INSTMTH2)

Dual Enrollment – Cisco College

Course #: C5356 ***1 high school Math credit***

PEIMS: 03102501 ***Grades: 11-12***

Cisco Course: College Algebra

CC Course #: MATH 1314 ***3 college semester hours***

Study of quadratics; polynomial, rational, radical, logarithmic, and exponential functions and equations; inequalities; systems of equations; progressions; sequences and series; and matrices and determinants. Selected topics from among permutations and combinations, variation, theory of equations, mathematical induction and probability; may not apply toward a major in math. Three lecture hours per week. This course is offered the Fall semester on the Cisco Abilene campus and is open to all AISD juniors and seniors.

Cisco Course: Elementary Statistics

CC Course #: MATH 1342 ***3 college semester hours***

Collection, presentation, analysis, and interpretation of data; probability; sampling; data distribution; hypothesis testing; linear regression and correlation; analysis of variance; utilization of statistical software. This course is not part of the CJC Core Curriculum and may not satisfy mathematics requirements for transfer students. Three lecture hours per week. This course is offered the Spring semester on the Cisco Abilene campus and is open to all AISD juniors and seniors.

Prerequisites: Algebra I and Algebra II

Communication Applications (COMMAPP)

Dual Enrollment – Cisco College

Course #: C1145 ***½ high school Speech credit***

PEIMS: 03241400 ***Grades: 11-12***

Cisco Course: Public Speaking

CC Course #: SPCH 1315 ***3 college semester hours***

Research, composition, organization, delivery, and analysis of speeches for various purposes and occasions. Three lecture hours per week. This course is offered the Fall semester on the Cisco Abilene campus and is open to all AISD juniors and seniors.

Prerequisites: None

Heating, Ventilation, Air Conditioning and Refrigeration (HVACREF)

A study of the components, applications and installation of mechanical air-conditioning systems including operating conditions, troubleshooting, repair and charging procedures of common air conditioning systems. The series of four courses (HART 1407, HART 1441, HART 2441 and HART 2438) provides training that covers the principles and practices of HVAC service, installation, repair, maintenance, as well as hazards and safety practices. Students who successfully complete all four courses will receive a Marketable Skills Certificate from Cisco College.

Dual Enrollment – Cisco College

Course #: C8816 ***2 high school credits***

PEIMS: 13005800 ***Grades: 11-12***

Cisco Course: Refrigeration Principles

CC Course #: HART 1407 ***4 college semester hours***

An introduction to the refrigeration cycle, heat transfer theory, temperature/pressure relationship, refrigerant handling, refrigerant components and safety. Two hours lecture and four lab hours per week

Prerequisites: None

Cisco Course: Residential Air Conditioning

CC Course #: HART 1441 ***4 college semester hours***

A study of components, applications, and installation of mechanical air conditioning systems including operating condition, troubleshooting, repair, and charging of air conditioning systems. Two hours lecture and four hour lab per week.

Prerequisites: Cisco College course HART 1407

Advanced Heating, Ventilation, Air Conditioning and Refrigeration (ADVHVAC)

Dual Enrollment – Cisco College

Course #:C8817 ***2 high school credits***

PEIMS: 13005900 ***Grades: 11-12***

Cisco Course: Commercial Air Conditioning

CC Course #: HART 2441 ***4 college semester hours***

A study of components, applications, and installation of air conditioning systems with capacities of 25 tons or less. Two hours lecture and four lab hours per week.

Prerequisites: Cisco College course HART 1407 or instructor approval

Cisco Course: Residential Air Conditioning

CC Course #: HART 2438 ***4 college semester hours***

A study of air conditioning system installation, refrigerant piping, condensate disposal and air cleaning equipment with emphasis on startup and performance testing.

Prerequisites: Cisco College course HART 1407 or instructor approval

Abilene Christian University Courses

English III (ENG3)

Dual Enrollment – Abilene Christian University

Course #: A1321 ***1 high school English credit***

PEIMS: 03220300 ***Grades: 11-12***

ACU Course: Composition and Rhetoric

ACU Course #: ENG 111 ***3 college semester hours***

The theory and practice in reading and writing analytical and persuasive essays. This course is offered the Fall semester on the Abilene Christian University campus and is open to all AISD juniors and seniors.

ACU Course: Composition and Literature

ACU Course #: ENG 112 ***3 college semester hours***

Expository, critical, and persuasive writing with research based on the reading of literary works. This course is offered the Spring semester on the Abilene Christian University campus and is open to all AISD juniors and seniors.

Prerequisites: English I and English II

Psychology (PSYCH)

Dual Enrollment – Abilene Christian University

Course #: A7281 ***½ high school Social Studies credit***

PEIMS: 03350100 ***Grades: 11-12***

ACU Course: Introduction to Psychology

ACU Course #: PSYC 120 ***3 college semester hours***

A comprehensive survey of the science of psychology emphasizing human behavior. This course is offered in the Fall semester on the Abilene Christian University campus and is open to all AISD juniors and seniors.

Prerequisites: None

Communication Applications (COMMAPP)

Dual Enrollment – Abilene Christian University

Course #: A1145 ***½ high school Speech credit***

PEIMS: 03241400 ***Grades: 11-12***

ACU Course: Speech and Rhetoric

ACU Course #: COMS 211 ***3 college semester hours***

Develops public speaking knowledge, skills, and attitudes through the interaction of rhetorical theory, practice, and analysis. This course is offered in the Spring semester on the Abilene Christian University campus and is open to all AISD juniors and seniors.

Prerequisites: ENGL 111and ENGL 112 or Cisco's ENGL 1302

Computer Science I and II(TACSI)(TACS2)

Dual Enrollment – Abilene Christian University

Course #: A9183, A9284 ***2 high school credits***

PEIMS: 03580200, 3580300 ***Grades: 11-12***

ACU Course: Programming I

ACU Course #: CS 120 ***3 college semester hours***

This course involves programming, debugging, and small program development in a statically typed procedural language (C++).Topics include sequential, selective and iterative control flow, modularity, simple data types, arrays, formatted input and output and text file processing. The course includes video lectures and regular homework assignments to reinforce course concepts as well as an optional programming contest where students can further challenge themselves. This course provides instruction in all Texas Essential Knowledge and skills required for Computer Science I and Computer Science II. This course if offered during the full school year online and is open to all AISD juniors and seniors who meet the eligibility criteria to enter this dual credit course. Students may fulfill the graduation requirement of two years of foreign language (Computer Science I and II) or elective credit with successful completion of this course. This course may not be entered at mid-term.

Prerequisites: Completion of or concurrent enrollment in pre-calculus or calculus

United States History Studies Since 1877 (US HIST)
Dual Enrollment – Hardin-Simmons University
Course #: H7111 1 high school Social Studies credit
PEIMS: 03340100 Grades: 11-12
HSU Course: U S History to 1876
HSU Course #: HIST 1301 3 college semester hours
The development of the United States from the discovery of the Americas to the end of reconstruction in 1876.
HSU Course: U S History since 1876
HSU Course #: HIST 1302 3 college semester hours
The development of the United States from 1876 to the present
Prerequisites: World History, World Geography recommended

Communication Applications (COMMAPP)
Dual Enrollment – Hardin-Simmons University
Course #: H1145 ½ high school Speech credit
PEIMS: 03241400 Grades: 11-12
HSU Course: Speech Communication
HSU Course #: COMM 1301 3 college semester hours
Theory and practice in interpersonal, group, and public speaking. Laboratory experiences in self-concept, group interaction, listening skills, public speaking, and verbal and non-verbal behavior. This course fulfills the graduation requirement for Communication Applications. This course is offered the Fall or Spring semester on the HSU campus and is open to all AISD juniors and seniors.
Prerequisites: None

Virtual Business (VIRTBUS)	
Dual Enrollment – McMurry University	
Course #: M8931	***½ high school credit***
PEIMS:13012000	***Grades: 11-12***
McMurry Course: Contemporary Business	
McMurry Course #:BA 1310	***3 college semester hours***
The Contemporary Business course reinforces students' understanding of the various functional areas of business by participating in a semester-long venture. Each semester, students select a project which they will operate like a business. The students form teams to handle the research and development, production and distribution, marketing, finances, and management related to their project. Students gain a greater understanding of how these components must function effectively in order for a business to be successful. Last fall, the class marketed care packages to the parents of students living in the residence halls. The class donated a portion of their profits to Noah Project and Children's Miracle Network. This course is offered the Fall or Spring semester on the McMurry campus and is open to all AISD juniors and seniors.	
Prerequisites: Touch Systems Data Entry Recommended	

Aerobic Activities (PEAA)	
Dual Enrollment – McMurry University	
Course #: M4902	***½ high school P.E. credit***
PEIMS: PES00054	***Grades: 11-12***
MCM Course: Fitness for Living	
MCM Course #:HF 1210	***2 college semester hours***
Students explore health fitness concepts and practices, evaluate personal fitness, and select an activity for this basic course in health fitness. This course is offered the Fall or Spring semester on the McMurry campus and is open to all AISD juniors and seniors.	
Prerequisites: None	

Psychology (PSYCH)	
Dual Enrollment – McMurry University	
Course #: M7281	***½ high school Social Studies credit***
PEIMS: 03350100	***Grades: 11-12***
MCM Course: Introduction to Psychology	
MCM Course #:PSYC 1340	***3 college semester hours***
Designed as a course for anyone interested in psychology. This course is an overview of the scientific study of factors underlying human and animal behavior. Topics include physiological bases of behavior, learning, development, personality theories, social interaction, psychological disorders, and therapy. This course is offered in the Spring semester on the McMurry University Campus and is open to all AISD juniors and seniors.	
Prerequisites: None	

Principles of Health Science (PRINHLSC)

Course #: T8841 ***Credits: 1***

PEIMS #: 13020200 ***Grades: 11-12***

This course is an overview of the various systems in the health care industry. Examples of topics covered in this course include: careers in health care, personal qualities of health care professionals, and legal and ethical issues in health care. The students will also be given instruction in basic anatomy and physiology topics. In addition, the student will be instructed in various health care skills such as taking vital signs, body mechanics, infection control, and CPR/First Aid. This course is a prerequisite for courses at Holland Medical High School, is available at Abilene High and Cooper High, but cannot be entered at mid-term. The course can either be taken with an AISD teacher, or in an online format offered through TSTC for dual college credit.

Prerequisites: Medical Terminology; and Biology or concurrent enrollment

Medical Terminology (MEDTERM)

Course #: T8842 ***Credits: 1/2***

PEIMS #: 13020300 ***Grades: 11-12***

As an introduction to medical terms, this course is designed to give students a basic vocabulary and understanding of the language of medicine. Students will learn how to define medical terms by breaking the words down into the components such as prefixes, suffixes, and word roots. Students will also be introduced to basic medical charting and abbreviations. The topics in this course are designed to assist students in future courses related to health science. This course is available at Abilene High and Cooper High. The course can either be taken with an AISD teacher or in an online format offered through TSTC for dual college credit.

Prerequisites: None

Pathophysiology (PATHO)

Course #: T8849 ***Credits: ½ science***

PEIMS #: 13020800 ***Grades: 11-12***

In Pathophysiology, students conduct laboratory and field investigations, using scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology study disease processes and how humans are affected. An emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. This course is only available at Holland Medical High. The course can either be taken with a Holland teacher or in an online format offered through TSTC for dual college credit.

Prerequisites: Biology, Chemistry, Medical Microbiology; Anatomy and Physiology highly recommended

Accounting I (ACCOUNT1)

Course #: T8838 ***Credits: 1***

PEIMS #: 13016600 ***Grades: 11-12***

Students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process or recording, classifying, summarizing, analyzing, and communicating accounting information. Students formulate and interpret financial information for use in management decision making. This course cannot be entered at mid-term. This course can either be taken with an AISD teacher, or in an online format offered through TSTC for dual college credit.

Prerequisites: Principles of Business, Marketing, and Finance recommended

Accounting II (ACCOUNT2)

Course #:T8839 ***Credits: 1***

PEIMS #: 13016700 ***Grades: 11-12***

Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision making. This course cannot be entered at mid-term. This course can either be taken with an AISD teacher or in an online format offered through TSTC for dual college credit.

Prerequisites: Accounting I

Business Information Management II (BUSIM2)

Course #: T8827 ***Credits: 1***

PEIMS #: 13011500 ***Grades: 11-12***

This course is a continuation of Business Computer Information Management I. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make electronic presentations using Microsoft Office Suite. Students will be expected to complete the Microsoft Office Specialist (MOS) exam for Excel and PowerPoint certification. This course cannot be entered at mid-term

Prerequisites: Business Information Management I

Problems And Solutions – Office Software Management (PROBS1)

Dual Credit - Online

Course #: T8962 ***Credits: 1***

PEIMS #: 12701500 ***Grade: 12***

Office Software Management is the second year of sequence offered by TSTC. This is an **online** course taught on the two high school campuses, but offered for dual credit. The course will deal with presentation software such as PowerPoint and using other types of integrated applications. This course follows the course Business Computer Information Management II

Prerequisites: Business Information Management II

Graphic Design and Illustration (GRAPHDI)

Course #: T8819 ***Credits: 1***

PEIMS #: 13008800 ***Grades: 11-12***

Graphic design and illustration is an **online** course with TSTC that will span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

Prerequisites: Principles of Information Technology recommended

Digital and Interactive Media (DIMEDIA)

Course #: T8869 ***Credits: 1***

PEIMS #: 13027800 ***Grades: 11-12***

Through the study of digital and interactive media and its application in information technology, 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. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment. This course cannot be entered at mid-term.

Prerequisites: Principles of Information Technology

Web Technologies (WEBTECH)

Course #: T8870 ***Credits: 1***

PEIMS #: 13027900 ***Grades: 11-12***

Through the study of web technologies and design, students learn to make informed decisions and apply the decisions to the field of information technology. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment.

Prerequisites: Principles of Information Technology

Problems And Solutions – Database And Web Programming (PROBS1)

Dual Credit - Online

Course #: T8964 ***Credits: 1***

PEIMS #: 12701500 ***Grade: 11-12***

Database and Web Programming is the second year of sequence offered by TSTC. This is an **online** course taught on the two high school campuses, but offered for dual credit. The course will deal with programming web pages and the use of oracle as it relates to web design and programming. This course follows the course Web Technologies

Prerequisites: Web Technologies

Problems And Solutions – Visual Communications (PROBS1)

Dual Credit – Online

Course #: T8963 ***Credits: 1***

PEIMS #: 12701500 ***Grades: 12***

This course is the end of a sequence for dual credit through TSTC and covers vector graphics and web page design. The course is offered at both high school campuses in an **online** environment. Students must have taken Graphic Design and Illustration.

Prerequisites: Graphic Design and Illustration

Scientific Research and Design II (SCIRD2-WIND1-DC)

Dual Credit – Online

Course #: T8925 ***Credits: 1***

PEIMS #: 13037210 ***Grades: 11-12***

Fall Semester: Introduction To the wind energy industry and the role of the technician. Spring Semester: Introduction to safety procedures and practices relating to turbine towers. Includes first aid training and CPR certifications

Prerequisites: None

Scientific Research and Design III (SCIRD3-WIND2-DC)

Dual Credit – Online

Course #: T8926 ***Credits: 1***

PEIMS #: 13037220 ***Grades: 12***

Fall Semester: Fundamentals of hydraulics and types of hydraulic pumps, cylinders, valves, motors, and related systems including operations, maintenance, and system analysis. Spring Semester: Basic theory and practice of electrical circuits. Includes calculations as applied to alternating and direct current.

Prerequisites: None

❖ *ARTICULATED CREDIT—ADVANCED TECHNICAL CREDIT*

Abilene ISD students can also receive college credit for designated high school courses through the state-wide, Advanced Technical Credit (ATC) program. ATC articulated courses are tuition free. However, not all public two-year colleges in Texas participate in the Advanced Technical Credit program, and not all participating colleges offer all courses covered by the ATC program. For additional information regarding ATC and a comprehensive list of two-year colleges participating in ATC, go to: www.atctexas.org. Students should check with the school counselor for additional AISD career and technical education courses that are eligible for Advanced Technical Credit. The following AISD CTE courses are eligible for statewide articulated credit (for those courses taken in 11th or 12th grades) through the Advanced Technical Credit program.

AISD Courses	College Courses
Accounting I	Principles of Accounting or Introduction to Accounting I
Advanced Welding	Introduction to Welding fundamentals or Introduction to Shielded Metal Arc Welding
Agricultural Mechanics and Metal Technology *	Shop Safety and Procedures or Welding Fundamentals or Farm and Ranch Shop Skills I
Anatomy and Physiology *	Anatomy and Physiology for Allied Health or Anatomy and Physiology for Medical Assistants
Business Computer Information Management I *	Computer Applications I or Introduction to Computers
Business Computer Information Management II*	Computer Applications II or Integrated Software Applications 1
Business English*	Business English
Business Law	Business Law Contracts
Child Guidance	Child Guidance or Child Development Associate Training II
Computer Maintenance*	Introduction to Computer Maintenance
Computer Technician*	Computer systems Maintenance
Court Systems and Practices *	Fundamentals of Criminal Law or Court Systems and Practices
Culinary Arts *	Sanitation and Safety
Digital and Interactive Media*	Introduction to Digital Media or Digital Imaging I
Equine Science	Equine Science I
Health Science*	Essentials of Medical terminology or Medical Terminology or Medical Terminology I
Law Enforcement I*	Criminalistics 1
Lifetime Nutrition and Wellness *	Nutrition for the Food Service Professional
Principles of Business, Marketing and Finance*	Introduction to Business
Principles of Health Science*	Intro to Health Professionals
Principles of Information Technology*	Introduction to Computers
Principles of Law, Public Safety, Corrections & Security*	Introduction to Criminal Justice
Telecommunications & Networking*	Fundamentals of Networking Technologies
Web Technologies*	Web Design I or Internet/Web Page Development

*In those course sections with teachers who are ATC certified

WHAT COUNTS IN COLLEGE ADMISSIONS

Factors Influencing Admission Decisions (NACAC Annual Admissions Survey)	
Grades in Academic/Challenging Courses	(80%)
SAT/ACT Scores	(52%)
Grades in All Subjects	(45%)
Class Rank	(31%)
Essay	(20%)
Teacher/Counselor Recommendations	(17%)
Community Service	(8%)
Work/School Activities	(8%)

The single most important credential in the applicant's folder is his/her academic record, particularly the junior year and the first half of the senior year. Usually you can help your college chances by making a strong effort to improve your course selections and grades during this time, showing you are "on the way up." College preparatory courses taken throughout high school are the most important factor in the college admission decision and will receive scrutiny by admissions officers.

The college admissions process is complex. Here are some points that may be valuable as you try to unravel its mysteries:

- Standardized examinations play a major role in the admission process. Students should take the PSAT, SAT, and ACT during their junior year. These scores are considered reliable predictors for college success when combined with high school grades in academic courses and rank in class.

- Extracurricular activities and community service play an important role in the admissions process. Colleges frequently state they look for students who will make a significant contribution to the college community. Because around 70% to 80% of all students can handle the academics, colleges often look for that extra dimension – musicians, editors, actors, photographers, athletes and others with a developed and usable talent as well as students with leadership qualities. Students with superior ability in these areas can expect to receive a special review by faculty with expertise and careful consideration by the admissions office.

- For most competitive colleges, recommendations are an essential part of an applicant's file. The exceptions to this rule are large state universities where written recommendations are often not required or given as much weight. Recommendations describe not only achievements and skills, but also character, motivation, integrity and patterns of growth. Teachers' reports also play an important role in selection process, particularly when the teachers know the student well and are willing to detail potential in specific areas.

- Correspondence with colleges should be initiated and followed up by the student. Many college admissions people see this as a reflection of a student's sense of responsibility and independence. It also indicates such items as accuracy, clarity, courtesy, and maturity. If there is a particular problem on the school record or the application that needs further clarification, the student should feel free to write the college. Just as colleges keep files on students, students should keep files on the colleges. Included in the files should be copies of letters, notes, and drafts of essays. Your guidance counselor and English teacher are excellent resources when corresponding with colleges, filling out applications, and writing the required essays.

For more information visit the Abilene Education Foundation's website at www.aaeeff.org.

A.T.E.M.S.

ACADEMY OF TECHNOLOGY, ENGINEERING, MATH & SCIENCE

A New Tech High School

Located on the college campus of:
TSTC
650 E. HWY 80
Abilene, Texas 79601
325-794-4140

Vision Statement:
The Academy of Technology, Engineering, Math & Science's vision is to provide meaningful opportunities in a learning community that encourages shared decision making, ethical relationships and service to others through the use of 21st century skills and technology.

Mission Statement:
Our mission is to prepare students for success in the global community as lifelong learners. ATEMS will foster an environment focused on innovative science, technology, engineering and mathematics curriculum. Working independently and in teams, students will complete rigorous, real-world assignments and projects that prepare them for post-secondary ambitions.

Who We Are:
Welcome to the Academy of Technology, Engineering, Math & Science. As a 21st century high school, ATEMS embraces rigor in both traditional core learning areas and in skills typically not taught as a part of a traditional curriculum. The Academy is a unique school in Abilene ISD. With an emphasis on college readiness, our students have a special opportunity to attend high school in a college setting at ***Texas State Technical College***. The overall goal of ATEMS is not only to increase student achievement in math and science, but also to inspire students by exposing them to rigorous "real world" problems and issues using researched-based, proven curriculum. The basis for the Academy curriculum will be Project Based Learning (PBL) designed by the New Tech Network in conjunction with Project Lead The Way (PLTW), a nationally recognized curriculum for engineering. In order to support a collaborative and project-based learning environment, ATEMS made some fundamental changes in the way school operates. Our teachers are "facilitators" because they assist learners through projects but are not the sole source of information. In addition, the campus is technology-rich, mimicking the workplace and college setting where all participants have access to the technological tools they need to complete their work. The campus is fully wireless with a 1:1 computer ratio for all students and facilitators. When projects are completed, external evaluators from a variety of business and education fields come to grade student presentations and final projects. All students at the Academy will complete four years of math and science and meet all state requirements for the recommended or distinguished graduation plan. Upon high school graduation from ATEMS, students will have had the opportunity to accrue at least 30 college hours and participate in a senior capstone project or internships with local businesses. More information about the ***New Tech Network*** program can be found at http://www.newtechnetwork.org.

Students entering grades 9-12 are eligible to apply for the upcoming school year. Approximately 130 freshmen students will be selected beginning in December 2013. Applications are available online or in the middle school counselors' office throughout the school year. Students currently in high school are also encouraged to fill any remaining spots.

General schedule overview for students attending ATEMS

Grade 9	Grade 10	Grade 11	Grade 12
Pre-AP English I	Pre-AP English II	AP English III or DC English	AP English IV or DC English
Pre-AP Algebra or Pre-AP Geometry	Pre-AP Geometry or Pre-AP Algebra II	Pre-AP Algebra II or Pre-AP Pre-Calculus	AP Calculus or AP Statistics or DC Math
Pre-AP World Geography or AP World History	AP U.S.History or DC Social Studies	AP Government/Economics or DC Government/Economics	Information Technology or Engineering
Pre-AP Biology	Pre-AP Chemistry	Pre-AP Physics	AP Environmental Science or Anatomy & Physiology or DC Science
Spanish I	Spanish II	Elective	Internship
PE/Pre-AP Art I	PE/Pre-AP Art II	PE/Pre-AP Art III	PE/AP Art History
Information Technology or Engineering	Information Technology or Engineering	Information Technology or Engineering	Information Technology or Engineering

ENGINEERING PATHWAY

Introduction to Engineering Design

Principles of Engineering

Computer Integrated Manufacturing

Engineering Design & Development

Students are encouraged to take the speech requirement (1/2 credit) in 8th grade or in summer school.

Students at the Academy will also have the opportunity to participate in extra-curricular activities which directly relate to their academy programs. All students can participate in the Robotics Club during the school year. Other activities include participation in Mouse Squad, STARS, Teen Court, Student Voice, and Drama Club. All students will have the opportunity to compete in Academic University Interscholastic League contests, such as Computer Science, Computer Applications, Calculator Applications, Math, Number Sense, Science, and Social Studies. Membership in the National Honor Society and National Technical Honor Society will be available for Academy students who excel in both academics and career and technical courses. **In addition, Academy students can continue to participate in extra-curricular activities through the main high schools including band, choir, orchestra, JROTC, and athletics.** Contact the teacher or coach about participating while attending ATEMS. Busing is provided throughout the day from ATEMS and AHS/CHS.

I.T. PATHWAY

Principles of Information Technology

Digital & Interactive Multimedia

Web Technologies

Research in IT Solutions

HOLLAND MEDICAL HIGH SCHOOL

Students interested in pursuing careers in the health care field have the opportunity to attend Holland Medical High School on the beautiful campus of Hardin-Simmons University. Med High is a unique, collaborative partnership between HSU and the Abilene Independent School District. Constructed on the corner of Cedar and Vogel, Holland Med High is located near the largest medical community in West Texas and is adjacent to Hendrick Health System.

Med High houses the AISD Health Sciences program of study and is available to eleventh and twelfth grade students interested in the health field. Health Science students divide their time each day between Med High and their home campuses. Beginning their junior year, students attend Holland Medical High School for three periods each day (either morning or afternoon) with the remainder of the day spent at their home campus. This flexible scheduling enables students to fulfill the majority of their core academic graduation requirements (including all advanced placement courses) at their home campus as well as to participate in extracurricular activities, such as athletics and fine arts. Principles of Health Science, a required prerequisite course, is available at both Cooper High and Abilene High for 10th through 12th graders. Medical Terminology, a recommended prerequisite, is open to 9th through 12th grade students.

Courses offered at Med High are:

- Health Science – Certified Nurse Aide
- Health Science – Diversified Healthcare Skills
- Practicum in Health Science – Pharmacy Technician
- Practicum in Health Science – Dental Assistant
- Practicum in Health Science – Medical Assistant
- Anatomy and Physiology
- Medical Microbiology
- Pathophysiology
- Problems and Solutions - Phlebotomy
- Problems and Solutions – Research and Design

Med High students will have the opportunity to complete numerous certifications and licenses recognized by the health care industry. These certifications may include: First Aid; CPR-AHA Healthcare Provider; CPR-AHA Heartsaver Adult Only; CPR—Adult and PBLS; Certified Nurse Aide; Pharmacy Technician; Registered Dental Assistant (Radiology, Infection Control, and Jurisprudence); Certified Medical Assistant (Certified Clinical Medical Assistant and Certified Administrative Medical Assistant); and Phlebotomy Technician.

For additional information on Holland Medical High School and the AISD Health Science program of study, contact the HS instructor at your high school or Mr. Gail Gregg, the principal at Holland Medical High, at 794-4120 or 677-1444.

Science, Technology, Engineering and Mathematics (STEM) Endorsement

Subject to State Board of Education approval and updates:

A student may earn a Science, Technology, Engineering and Mathematics Endorsement (STEM) by completing the requirements including Algebra II, chemistry, physics and:

1. a coherent sequence of courses for four or more credits in career and technical education (CTE) that consists of at least two courses in the same career cluster, including at least one advanced CTE course which includes any course that is the third or higher course in a sequence. The final course in the sequence must be obtained from the STEM career cluster.
2. a coherent sequence of four courses in computer science; or
3. five courses in mathematics by successfully completing Algebra I, geometry, Algebra II and two additional math courses for which Algebra II is a prerequisite; or
4. five courses in science by successfully completing biology, chemistry, physics and two additional science courses.
5. in addition to Algebra II, chemistry and physics, a coherent sequence of three additional credits from no more than two of the areas listed in 1, 2, 3 and 4.

Endorsement	Career Clusters	Course Name	Local Course Number	State Course Number	Location	Credits
SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS (STEM)	SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS	Business Information Management I	08826	13011400	AHS/CHS	1
		Introduction to Engineering Design	08900	N1303742	ATEMS	1
		Principles of Engineering	08901	13037500	ATEMS	1
		Computer Integrated Manufacturing	08902	N1303748	ATEMS	1
		Engineering Design and Development	08903	N1303749	ATEMS	1
		Practicum in Science, Technology, Engineering, and Mathematics	08891	13037400	ATEMS	2
		Advanced Placement or Dual Credit Calculus AB and/or BC	05403	A3100101	AHS/CHS/ ATEMS	.5 - 1
		Advanced Placement or Dual Credit Statistics	05405	A3100200	AHS/CHS/ ATEMS	1
		Other Advanced Placement or Dual Credit Mathematics			AHS/CHS/ ATEMS	1
		Advanced Placement or Dual Credit Biology	06373	A3010200	AHS/CHS/ ATEMS	1
		Advanced Placement or Dual Credit Environmental Science	06309	A03020000	AHS/CHS/ ATEMS	1
		Advanced Placement or Dual Credit Physics	PhysicsB-06325; PhysicsC-06425	A3050001; A3050002	AHS/CHS/ ATEMS	1
		Advanced Placement or Dual Credit Chemistry	06473	A3040000	AHS/CHS/ ATEMS	1
		Other Advanced Placement or Dual Credit Science Courses			AHS/CHS/ ATEMS	1

Abilene ISD Sample **SCIENCE, TECHNOLOGY, ENGINEERING and MATHEMATICS** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
__**X**__STEM
____Business and Industry
____Arts and Humanities
____Public Services
____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Certification Available: Autodesk Inventor

Graduation Plan--Foundation + Endorsement

Discipline	Credits	____Distinguished Level of Achievement with Performance Acknowledgment	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	4*		
Science	4*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	7		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as their 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

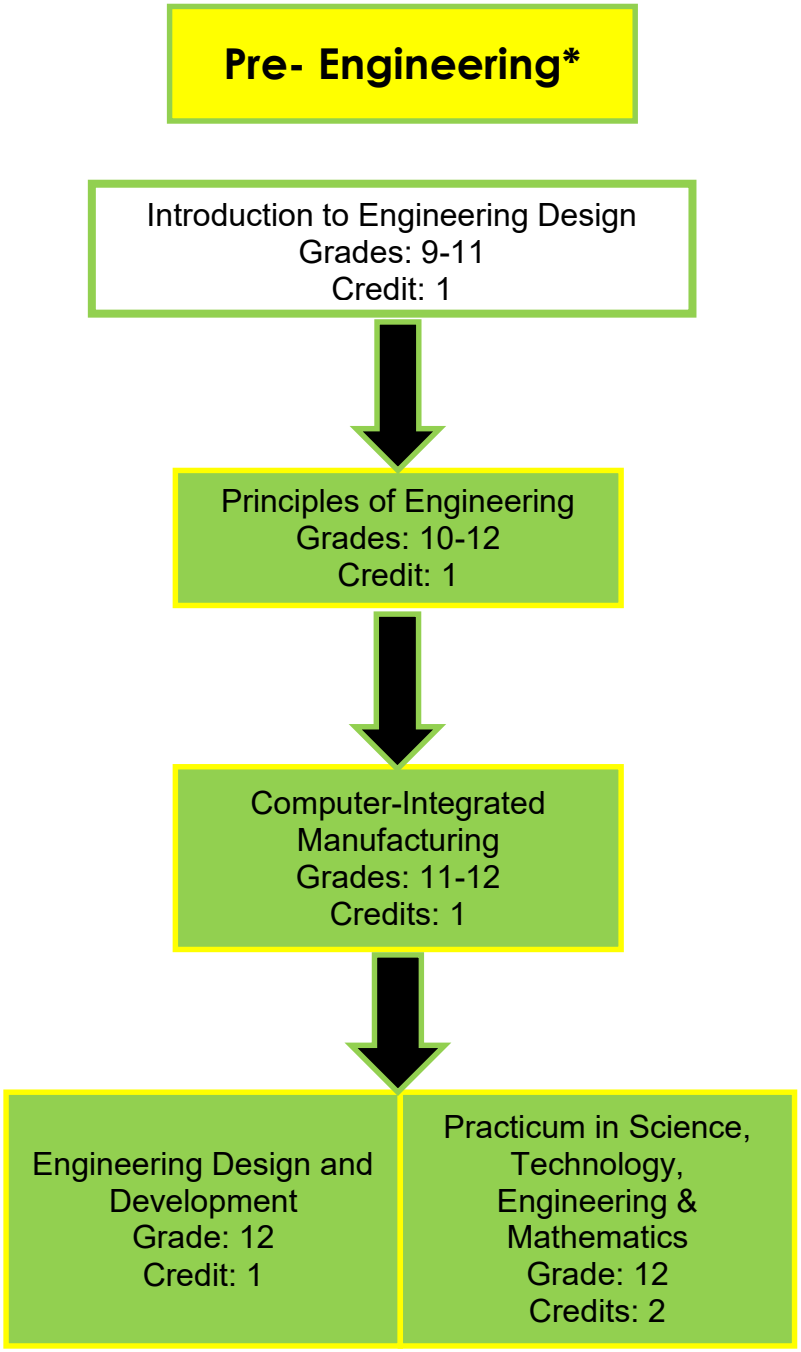
Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English/Technical Writing
2		Algebra I	Geometry	Algebra II	PreCalculus	Calculus
3			Biology	IPC or Chemistry	Chemistry or Physics/CTE Science Elective	Advanced Placement/Dual Credit/Career and Tech Science
4			World History	Advanced Placement/Dual Credit U. S. History	Government and Economics	Engineering and Mathematics/ Additional Advanced Placement/Dual Credit Math/Science
5		Business Information Management	Introduction to Engineering Design	Principles of Engineering	Computer Integrated Manufacturing	Engineering Design and Development/Practicum in STEM
6			P.E./Athletics/ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language/ Fine Art I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Postsecondary Options in Science, Technology, Engineering, and Mathematics:

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Civil Engineering Technology Computer Engineering Technology Electronics Engineering Technology Industrial Engineering Technology Electrical Power Production Technology	Civil Engineering Electrical Engineering Mechanical Engineering Electronics Engineering Communication Engineering System Design Engineering Project Engineering Industrial Design Industrial Production Technology General Engineering Architectural Engineering Automotive Engineering	Certified Electronics Technician Drafter Certification AutoCAD 2014 A+ Certification Microsoft Office Specialist Autodesk Inventor

Science, Technology, Engineering, and Mathematics
Project Lead the Way®

NEW DISCOVERIES ARE MADE EVERY DAY. Scientists, technologists, engineers, and mathematicians are pushing the boundaries of human knowledge by seeking to better understand and improve the world around us. They spend their time exploring everything from vast galaxies of stars to the tiniest subatomic particles. They invent the technologies that make our lives easier and more rewarding and develop solutions to problems that threaten our future. Thanks to the men and women on the cutting edge, we know more than ever before. If you are curious about the universe, dream of exploring new worlds of knowledge, or want to solve the planet's problems, then Science, Technology, Engineering & Mathematics could be the right career cluster for you.



*** Sequence available at ATEMS only**

Science, Technology, Engineering, and Mathematics
Project Lead the Way®

Abilene Independent School District implemented the Project Lead the Way® Pre-engineering Program for grades 9 -12. Project Lead the Way® (PLTW) is a standards-based curriculum that will challenge the student to solve real-world engineering problems by applying the knowledge and skills related to mathematics, science, and technology. A student who completes the challenging pre-engineering and academic curriculum will:

- use state-of-the-art computer hardware and software technology in use in the engineering industry;
- participate in a hands-on, team-oriented activity-based program;
- have the opportunity to enroll in a sequence of four courses covering the essentials of engineering technology; and
- take courses that will apply and reinforce the study of math, science and technical communication

Requirements to participate in Project Lead the Way® include

- having a strong interest in pursuing a career in engineering or engineering technology;
- enrolling in at least one college preparatory mathematics course each year in high school; and
- having a strong interest in science (four years of science is highly recommended, especially physics and chemistry)

The four-year sequence for pre-engineering Project Lead the Way® will be:

9th grade: Introduction to Engineering Design
10th grade: Principles of Engineering
11th grade: Computer Integrated Manufacturing
12th grade: Engineering Design and Development

All Project Lead the Way® courses are designated as Honors courses and are eligible for weighted grade points. All Project Lead the Way® courses are only available at the Academy of Technology, Engineering, Mathematics and Science (ATEMS) and are only open to ATEMS students.

Introduction to Engineering Design (PLTW) (IED) (Honors)

Course #: 08900	***Credits: 1***
PEIMS #: N1303742	***Grades: 9-12***

This is the first course in the AISD Project Lead the Way® Pre-Engineering Program sequence. The course will develop problem solving skills through the application of the "engineering method." Traditional manual drafting methods will augment the use of state-of-the-art computer aided drafting and 3-D modeling hardware and software in designing, evaluating, and producing engineering drawings. **This course is only offered at ATEMS.**

Prerequisites: None

Principles of Engineering (PRINENG) (Honors)

Course #: 08981	***Credits: 1***
PEIMS #: 13037500	***Grades: 9-12***

This is the second course in the AISD Project Lead the Way® Pre-Engineering Program sequence. The main purpose of this course is to help the student answer the question "Is a career in engineering or engineering technology for me?" The development of engineering problem-solving skills used in post-secondary education engineering programs and in engineering careers will be emphasized. Various engineering systems, manufacturing processes, and how engineers address the social and political consequences of technological change will be explored. **This course is only offered at ATEMS.**

Prerequisites: Introduction to Engineering Design and concurrent enrollment in a college prep mathematics course

Computer Integrated Manufacturing (PLTW) (CIM) (Advanced Honors)

Course #: 08902	***Credits: 1***
PEIMS #: N1303748	***Grades: 11-12***

This course is part of the AISD Project Lead the Way® Pre-Engineering sequence. It is a course that applies principles of robotics and automation. The course builds on computer solid modeling skills developed in Introduction to Engineering Design, and Design and Drawing for Production. Students use CNC equipment to produce actual models of their three-dimensional designs. Fundamental concepts of robotics used in automated manufacturing and design analysis are included. This course cannot be entered at mid-term. **This course is only offered at ATEMS.**

Prerequisites: Introduction to Engineering Design and/or Principles of Engineering

Engineering Design and Development (PLTW) (EDD) (Advanced Honors)

Course #: 08903	***Credits: 1***
PEIMS #: N1303749	***Grade: 12***

This is the final course in the AISD Project Lead The Way Pre-Engineering Program sequence. Students in this capstone course will work in teams to research, design, and construct a solution to an open-ended engineering problem. This engineering project will be conducted under the guidance of practicing engineers and an AISD teacher. This course cannot be entered at mid-term. **This course is only offered at ATEMS.**

Prerequisites: Principles of Engineering, Introduction to Engineering Design, and Computer Integrated Manufacturing

Practicum in Science, Technology, Engineering, and Mathematics (PRACSTEM)	
Course #: 08891	***Credits: 2***
PEIMS #: 13037400	***Grade: 12***
This course is recommended for students in grade 12. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the science, technology, engineering, and mathematics career cluster. **This course is only offered at ATEMS.**	
Prerequisites: Principles of Engineering, Introduction to Engineering Design, and Computer Integrated Manufacturing	

Business and Industry Endorsement

Subject to State Board of Education approval and updates:

A student may earn a Business and Industry Endorsement by completing the following requirements:

1. a coherent sequence of courses for four or more credits in career and technical education (CTE) that includes at least two courses in the same career cluster, including at least one advanced CTE course which includes any course that is the third or higher course in a sequence. The final course in the sequence must be selected from one of the following CTE career clusters:
    - Agriculture, Food and Natural resources
    - Architecture and Construction
    - Arts, Audio/Visual Technology and Communications
    - Business Management and Administration
    - Finance
    - Hospitality and Tourism
    - Information Technology
    - Manufacturing
    - Marketing
    - Transportation, Distribution and Logistics; or
2. four English elective courses, including three levels of one of the following areas:
    - Advanced Broadcast Journalism; or
    - Advanced Journalism: Newspaper; or
    - Advanced Journalism: Yearbook
    - Public Speaking; or
    - Debate
3. four technology applications credits
4. a coherent sequence of four credits from 1, 2, or 3.

Endorsement	Career Clusters	Course Name	Local Course Number	State Course Number	Location	Credits
BUSINESS AND INDUSTRY	AGRICULTURE, FOOD AND NATURAL RESOURCES	Business Information Management I	08826	13011400	AHS/CHS	1
		Principals of Agriculture , Food and Natural Resources	08800	13000200	AHS/CHS	1
		Livestock Production	08801	13000300	AHS/CHS	.5
		Equine Science	08802	13000500	AHS/CHS	.5
		Food Technology and Safety	08803	13001300	AHS/CHS	.5
		Wildlife, Fisheries, and Ecology Management	08804	13001500	AHS/CHS	.5
		Agricultural Mechanics & Metal Technologies	08807	13002200	AHS/CHS	1
		Agricultural Facilities Design and Fabrication	08808	13002300	AHS/CHS	1
		Practicum in Agriculture, Food, and Natural Resources	08809	13002500	AHS/CHS	3
	ARCHITECTURE AND CONSTRUCTION	Business Information Management I	08826	13011400	AHS/CHS	1
		Principles of Architecture and Construction	08811	13004200	AHS/CHS	.5 - 1
		Construction Technology	08812	13005100	AHS/CHS	2
		Advanced Construction Technology	08973	13005200	AHS/CHS	2
		Electrical Technology	08814	13005600	AHS	2
		Advanced Electrical Technology	08815	13005700	AHS	2
		Practicum in Construction Management	08818	13006200	AHS	2
	ARTS, A/V TECHNOLOGY & COMMUNICATIONS	Business Information Management I	08826	13011400	AHS/CHS	1
		Principles of Information Technology	8863	13027200	AHS/CHS/ ATEMS	1
		Digital and Interactive Media	08869	13027800	AHS/CHS/ ATEMS	1
		Graphic Design and Illustration	T8819	13008500	Online TSTC	1
		Problems and Solutions-Visual Communications	T8963	12701500	Online TSTC	1
	BUSINESS MANAGEMENT AND ADMINISTRATION	Business Information Management I	08826	13011400	AHS/CHS	1
		Principles of Business, Marketing and Finance	08824;08917	13011200	AHS/CHS	.5 - 1
		Business Information Management II	08827	13011500	AHS/CHS	1
		Business Management	08830	13012100	AHS/CHS	1
		Global Business	08829	13011800	AHS/CHS	.5
		Business English	08908	13011600	AHS/CHS	1
		Business Law	08828	13011700	AHS/CHS	.5
		Practicum in Business Management	08831	13012200	AHS/CHS	3
	FINANCE	Business Information Management I	08826	13011400	AHS/CHS	1
		Principles of Business, Marketing and Finance	08824;08917	13011200	AHS/CHS	.5-1
		Money Matters	08837;08931	13016200	AHS/CHS	.5 - 1
		Banking & Financial Services	08928	13016300	AHS/CHS	1
		Accounting I	08838	13016600	AHS/CHS	1
		Accounting II	08839	13016700	AHS/CHS	1
		Statistics & Risk Management	08840	13016900	AHS/CHS	1
	HOSPITALITY & TOURISM	Business Information Management I	08826	13011400	AHS/CHS	1
		Principles of Hospitality and Tourism	08850	13022200	AHS/CHS	.5
		Culinary Arts	08851	13022600	AHS/CHS	1
		Practicum in Culinary Arts	08852	13022700	AHS/CHS	2
		Practicum in Culinary Arts II	08853	13022710	AHS/CHS	2

Endorsement	Career Clusters	Course Name	Local Course Number	State Course Number	Location	Credits
BUSINESS AND INDUSTRY	INFORMATION TECHNOLOGY	Business Information Management I	08826	13011400	AHS/CHS	1
		Principles of Information Technology	08863	13027200	AHS/CHS/ ATEMS	1
		Digital and Interactive Media	08869	13027800	AHS/CHS/ ATEMS	1
		Web Technologies	08870	13027900	AHS/CHS/ ATEMS	1
		Computer Programming	08867	13027600	AHS/CHS/ ATEMS	1
		Research in Information Technology Solutions	08871	13028000	ATEMS	2
		Computer Maintenance	08864;08963	13027300	AHS/CHS	1-2
		Telecommunications & Networking	08865	13027400	AHS/CHS	1
		Computer Technician	08866	13027500	AHS/CHS	2
		Problems & Solutions-Digital Marketing	08965	12701500	AISD Online	1
		Problems & Solutions-Database and Web Programming	08964	12701500	AISD Online	1
	MANUFACTURING	Business Information Management I	08826	13011400	AHS/CHS	1
		Principles of Manufacturing	08878	13032200	AHS/CHS	1
		Principles of Architecture and Construction	08811	13004200	AHS/CHS	.5 - 1
		Welding	08879	13032300	CHS	2
		Advanced Welding	08880	13032400	CHS	2
		Practicum in Manufacturing	08883	13033000	AHS/CHS	2
	MARKETING	Business Information Management I	08826	13011400	AHS/CHS	1
		Principles of Business, Marketing and Finance	08824;08917	13011200	AHS/CHS	.5 - 1
		Money Matters	08837;08931	13016200	AHS/CHS	.5 - 1
		Fashion Design	08821	13009300	AHS/CHS	1
		Advanced Fashion Design	08929	13009400	AHS/CHS	2
		Practicum in Fashion Design	08930	13009500	AHS/CHS	2
		Entrepreneurship	08934	13034400	AISD Online	.5 - 1
	TRANSPORTATION, DISTRIBUTION & LOGISTICS	Business Information Management I	08826	13011400	AHS/CHS	1
		Principles of Transportation Distribution, and Logistics	08893	13039200	AHS	1
		Automotive Technology	08932;08895	13039600	AHS	1-2
		Advanced Automotive Technology	08896	13039700	AHS	2
		Practicum In Transportation, Distribution, and Logistics	08897	13040400	AHS	2

Abilene ISD Sample **AGRICULTURE, FOOD & NATURAL RESOURCES** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
_____STEM
__X__Business and Industry
_____Arts and Humanities
_____Public Services
_____*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Certifications Available: NCCER Core, National Career Readiness, OSHA

Graduation Plan--Foundation + Endorsement

Discipline	Credits	____Distinguished Level of Achievement with Performance Acknowledgment	
English	4	(Include Algebra II for mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-Plan, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	4*		
Science	4*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	7		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as their 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2		Algebra I	Geometry	Algebra II	Career and Tech/Dual Credit/Advanced Placement Math	Career and Tech/Dual Credit/Advanced Placement Math
3			Integrated Physics & Chemistry	Biology	Career & Tech Science/Chemistry or Physics	Career and Tech Science/ Chemistry or Physics
4			World History	U. S. History	Government and Economics	Practicum in Agriculture, Food & Natural Resources/Agricultural Mechanics & Metal Technologies
5			Principles of Ag, Food and Natural Resources	Livestock Production/Equine Science/Ag Mechanics and Metal Technology	Wildlife, Fisheries & Ecology Management/Food Technology and Safety/ Ag Facilities Design and Fabrication	Practicum in Agriculture, Food & Natural Resources/Agriculture Facilities Design & Fabrication
6		Business Information Management	P.E./Athletics/ROTC	Fine Arts/Athletics / Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD Sample **ARCHITECTURE & CONSTRUCTION** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: Grade: Date Initiated: Date(s) Amended:

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
_____STEM
__X__Business and Industry
_____Arts and Humanities
_____Public Services
_____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Certifications Available: NCCER Core, NCCER Electrical, NCCER Carpentry

Graduation Plan--Foundation + Endorsement

Discipline	Credits	_____Distinguished Level of Achievement with Performance Acknowledgment	
English	4	(Include Algebra II for mathematics)	And, outstanding performance:
Math	4*		___in a dual credit course
Science	4*	Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	___in bilingualism and bi-literacy
Social Studies	3		___on an AP test or IB exam
Foreign Language	2		___on the PSAT, the ACT-PLAN, the SAT, or the ACT
Fine Arts	1		___for earning a nationally or internationally recognized business or industry certification or license
Physical Education	1		
Electives	7		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as their 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2		Algebra I	Geometry	Career and Tech/Dual Credit/ Advanced Placement Math	Career and Tech/Dual Credit/ Advanced Placement Math	Career and Tech/Dual Credit/ Advanced Placement Math
3			Integrated Physics & Chemistry	Biology	Career & Tech Science/ Chemistry or Physics	Career and Tech Science/ Chemistry or Physics
4			World History	U. S. History	Government and Economics	Endorsement Elective
5			Principles of Architecture & Construction	Construction Technology/ Electrical Technology	Advanced Construction Technology/ Advanced Electrical Technology	Practicum in Construction Management
6		Business Information Management	P.E./Athletics/ROTC	Fine Arts/Athletics / Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD Sample **ARTS, A/V TECHNOLOGY & COMMUNICATIONS** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
_____STEM
__X__Business and Industry
_____Arts and Humanities
_____Public Services
____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Graduation Plan--Foundation + Endorsement

Discipline	Credits	____Distinguished Level of Achievement with Performance Acknowledgment	
English	4	(Include Algebra II in mathematics)	And, outstanding performance:
Math	4*		___in a dual credit course
Science	4*	Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	___in bilingualism and bi-literacy
Social Studies	3		___on an AP test or IB exam
Foreign Language	2		___on the PSAT, the ACT-PLAN, the SAT, or the ACT
Fine Arts	1		___for earning a nationally or internationally recognized business or industry certification or license
Physical Education	1		
Electives	7		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as their 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2		Algebra I	Geometry	Career and Tech/Dual Credit/ Advanced Placement Math	Career and Tech/Dual Credit/ Advanced Placement Math	Career and Tech/Dual Credit/ Advanced Placement Math
3			Biology	IPC or Chemistry	Chemistry/Physics/ CTE Science Elective	Science Elective/CTE Science Elective/Advanced Placement/ Dual Credit
4			World History	U. S. History	Government and Economics	Endorsement Elective
5			Principles of Information Technology/Business Information Management II	Principles of Information Technology/Digital and Interactive Media	Digital and Interactive Media/Graphic Design and Illustration	Problems and Solutions-Visual Communications
6		Business Information Management	P.E./Athletics	Fine Arts/Athletics / Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD Sample **BUSINESS MANAGEMENT & ADMINISTRATION** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
___STEM
__**X**_Business and Industry
____Arts and Humanities
____Public Services
____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Certifications Available: Microsoft Office Specialist (MOS): Word, Excel, and PowerPoint

Graduation Plan--Foundation + Endorsement

Discipline	Credits	____Distinguished Level of Achievement with Performance Acknowledgment	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	Any, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	4*		
Science	4*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	7		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as their 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2		Algebra I	Geometry	Algebra II or Career and Technical Math	PreCalculus or Advanced Math	Advanced Math or Elective
3			Biology	IPC or Chemistry	Chemistry or Physics/CTE Science Elective	Advanced Placement/Dual Credit/Career and Tech Science
4			World History	U.S. History	Government and Economics	Dual Credit Business/Practicum of Business Management/Business English
5		Business Information Management	Principles of Business, Marketing & Finance/ Business Information Management II	Business Information Management II/ Business Management/ Business Law/Global Business	Business Management/Global Business/Business Law	Dual Credit Business/Practicum of Business Management/Business English
6			P.E./Athletics/ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD Sample **FINANCE** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
___STEM
__X__Business and Industry
___Arts and Humanities
___Public Services
___ (*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Certifications Available: Everfi Financial Literacy

Graduation Plan--Foundation + Endorsement			
Discipline	Credits	____**Distinguished Level of Achievement with Performance Acknowledgment**	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	4*		
Science	4*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	7		
Total Credits Required for Graduation:	26*		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as their 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2		Algebra I	Geometry	Algebra II or Career & Technical Math	PreCalculus or Advanced Math	Advanced Math or Elective
3			Biology	IPC or Chemistry	Chemistry or Physics/ CTE Science Elective	Advanced Placement/Dual Credit/ Career & Tech Science
4			World History	U.S. History	Government and Economics	Statistics & Risk Management
5		Business Information Management	Principles of Business, Marketing & Finance	Money Matters/Banking & Financial Services/Accounting I	Money Matters/Banking & Financial Services/Accounting II	Practicum in Business Management
6			P.E./Athletics/ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD Sample **HOSPITALITY & TOURISM** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
_____STEM
__**X**__Business and Industry
_____Arts and Humanities
_____Public Services
____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Certifications Available: Serv/Safe (through AISD); Certified Culinary Specialist (through TSTC course)

Graduation Plan--Foundation + Endorsement

Discipline	Credits	____Distinguished Level of Achievement with Performance Acknowledgment	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	4*		
Science	4*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	7		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as their 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2			Algebra I	Geometry	Algebra II/ Career & Tech Math	Career and Tech/Dual Credit/ Advanced Math
3			Integrated Physics & Chemistry	Biology	Career & Tech Science/Chemistry or Physics	Career and Tech Science/Chemistry or Physics
4			World History	U. S. History	Advanced Placement/Dual Credit Government and Economics	Endorsement Elective
5		Fine Art	Principles of Hospitality & Tourism/Plus ½ Credit Elective	Culinary Arts	Practicum in Culinary Arts I or Hospitality & Tourism	Practicum in Culinary Arts II
6		Business Information Management	P.E./Athletics/ROTC	Fine Arts/Athletics / Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD Sample **INFORMATION TECHNOLOGY** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
____STEM
__X_Business and Industry
____Arts and Humanities
____Public Services
____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Certifications Available: IC3 Certification; A+; Networking+; Adobe Certified Associate: Photoshop, Flash, Dreamweaver, Illustrator and InDesign

Graduation Plan--Foundation + Endorsement

Discipline	Credits	____Distinguished Level of Achievement with Performance Acknowledgment	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	4*		
Science	4*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	7		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as their 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2		Algebra I	Geometry	Algebra II or Career and Technical Math	PreCalculus or Advanced Math	Advanced Math or Elective
3			Biology	IPC or Chemistry	Chemistry or Physics/ CTE Science Elective	Advanced Placement/Dual Credit/Career and Tech Science
4			World History	U. S. History	Government and Economics	Practicum in Technology
5		Business Information Management	Principles of Information Technology	Telecommunications and Networking/Digital and Interactive Media	Web Technologies/Computer Programming/Computer Maintenance	Research in Information Technology Solutions/ Computer Technician
6			P.E./Athletics/ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Digital Marketing/ Database and Web Programming	Public Speaking and Endorsement Elective

Abilene ISD Sample **MANUFACTURING** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
___STEM
__**X**__Business and Industry
___Arts and Humanities
___Public Services
___(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Certifications Available: AWS Entry Level Welder

Graduation Plan--Foundation + Endorsement

Discipline	Credits	____Distinguished Level of Achievement with Performance Acknowledgment	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	4*		
Science	4*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	7		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as their 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2			Algebra I	Geometry	Algebra II	Career and Tech/Dual Credit/ Advanced Placement Math
3			Integrated Physics & Chemistry	Biology	Career & Tech Science/ Chemistry or Physics	Career and Tech Science/ Chemistry or Physics
4			World History	U. S. History	Government and Economics	Endorsement Elective
5			Principles of Manufacturing/ Principles of Architecture & Construction	Welding	Advanced Welding	Practicum in Manufacturing
6		Business Information Management	P.E./Athletics/ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD Sample **MARKETING** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
____STEM
__X__Business and Industry
_____Arts and Humanities
_____Public Services
____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Graduation Plan--Foundation + Endorsement

Discipline	Credits	_____Distinguished Level of Achievement with Performance Acknowledgment	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	4*		
Science	4*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	7		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as their 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2		Algebra I	Geometry	Algebra II or Career and Technical Math	PreCalculus or Advanced Math	Calculus/Advanced Math or Elective
3			Biology	IPC or Chemistry	Chemistry or Physics/ CTE Science Elective	Advanced Placement/Dual Credit/Career and Tech Science
4			World History	U. S. History	Government and Economics	Endorsement Elective
5		Business Information Management	Principles of Business, Marketing & Finance	Money Matters/Fashion Design	Money Matters/Advanced Fashion Design	Practicum in Marketing
6			P.E./Athletics/ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD Sample **TRANSPORTATION, DISTRIBUTION & LOGISTICS** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
___STEM
_X_Business and Industry
___Arts and Humanities
___Public Services
___(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Certifications Available: EPA Section 609 MVAC Technician

Graduation Plan--Foundation + Endorsement

Discipline	Credits	____Distinguished Level of Achievement with Performance Acknowledgment	
English	4	(Include Algebra II in mathematics)	And, outstanding performance:
Math	4*		___in a dual credit course
Science	4 *	Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	___in bilingualism and bi-literacy
Social Studies	3		___on an AP test or IB exam
Foreign Language	2		___on the PSAT, the ACT-PLAN, the SAT, or the ACT
Fine Arts	1		___for earning a nationally or internationally recognized business or industry certification or license
Physical Education	1		
Electives	7		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as their 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2			Algebra I	Geometry	Algebra II or Career and Technical Math	Career and Tech/Dual Credit/ Advanced Placement Math or Elective
3			Integrated Physics & Chemistry	Biology	Career & Tech Science/Chemistry or Physics	Career and Tech Science/ Chemistry or Physics
4			World History	U. S. History	Government and Economics	Advanced Automotive Technology/Diesel Mechanics/Aircraft Maintenance/ Practicum in Transportation, Distribution & Logistics
5		Public Speaking	Principles of Transportation, Distribution & Logistics	AutomotiveTechnology/ Diesel Mechanics/Aircraft Maintenance	Advanced Automotive Technology/Diesel Mechanics/Aircraft Maintenance	Diesel Mechanics/Aircraft Maintenance/ Practicum in Transportation, Distribution & Logistics
6		Business Information Management	P.E./Athletics/ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Endorsement Elective

Postsecondary Options in Agriculture, Food, and Natural Resources:

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Agribusiness Management General Agriculture Environmental Science Technology Horticulture Agricultural Pest Management Agricultural Productions Agricultural Technology Fish and Wildlife Environmental Studies Natural Resource and Wildlife Conservation Outdoor Parks and Recreation Landscape Gardening Greenhouse/Grounds Maintenance Biological and Agricultural Engineering	Agribusiness Management Agricultural and Extension Education Crop Science Biological Science Environmental and Molecular Technology Zoology Animal Science Poultry Science Environmental Science Forestry Outdoor Parks and Recreation Natural Resource and Wildlife Conservation Horticulture Science Botany Microbiology Crop Science Biological and Agricultural Engineering Food Science Chemistry	Building Carpentry Technician Commercial or Non-Commercial Pesticide Applicator Licensed Landscape Irrigation Installer Licensed Landscape Irrigator Certified Landscape Technician Meat Processing Certification Outdoor Power Equipment Tech Private Pesticide Applicator Texas Beef Quality Producer Texas Certified Nursery Professional Texas Master Gardner Certified Veterinary Assistant High School Floral Certification Welding Technician

Postsecondary Options in Architecture and Construction:

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Architectural Technology Landscape Architecture Technology Machining Technology Facility Maintenance Technology Insurance Adjuster Construction Management Technology Building Construction Technology Construction Management Technology Carpentry Furniture Production Technology Fine and Creative Woodworking Woodworking	Construction Management Landscape Architecture Industrial/Manufacturing Technology Industrial Design Architectural Engineering Industrial Production Technology Construction/Building Technology Construction Engineering Trade and Industrial Education (Secondary and Postsecondary) Construction Management Industrial Production Technology Wood Science Technology	Certified Electronics Technician AutoCAD ADDA Drafter Consumer Electronics Certification (CEC) Roofer Apprentice Associate Electronics Technician

Postsecondary Options in Business, Management, & Administration

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Business Administration Insurance Office Systems Technology Human Resources Management Information Systems International Business	Advertising Business Administration Business Management Administrative Support Public Administration Management International Business	A+ Computer Technician Certification Adobe Certified Expert (ACE) Certified Internet Webmaster (CIW) Microsoft Office Specialist (MOS)

Postsecondary Options in Finance:

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Accounting Banking and Finance Business Administration Insurance Human Resources Management Hotel and Restaurant Management	Accounting Banking Finance Public Administration Management Management Information Systems Real Estate Management International Business	Bookkeeping Fundamentals Certified Coding Associate Microsoft Office Specialist (MOS) Network+ Certification Certified Bank Teller

Postsecondary Options in Hospitality & Tourism:

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Culinary Technology Hotel and Restaurant Management Travel and Hospitality	Food, Nutrition, and Food Service Management Culinary Arts Food and Nutrition—Dietetics Food Systems Management	Serv/Safe Certification Certified Culinary Specialist Certified Food Manager

Postsecondary Options in Information Technology:

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Desktop Publishing Office Systems Technology Graphic Design Information Systems Computer Repair and Maintenance Web Development Networking Technician	Administrative Support Management Information Systems International Business Computer Science Computer Programming	A+ Computer Technician Certification Adobe Certified Expert (ACE) Certified Internet Webmaster (CIW) Cisco Certified Network Associate (CCNA) Microsoft Office Specialist (MOS) Network+ Certification Oracle Certified Database Associate

Postsecondary Options in Manufacturing:

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Manufacturing Engineering Technology Electrical Power Production Technology Machining Technology Facility Maintenance Technology Welding Technology	Manufacturing Process Engineering Industrial/Manufacturing Technology Industrial Design Industrial Production Technology	Precision Machining Manufacturing Skills Standards Council Certification (MSSC) American Welding Society Welder

Postsecondary Options in Marketing:

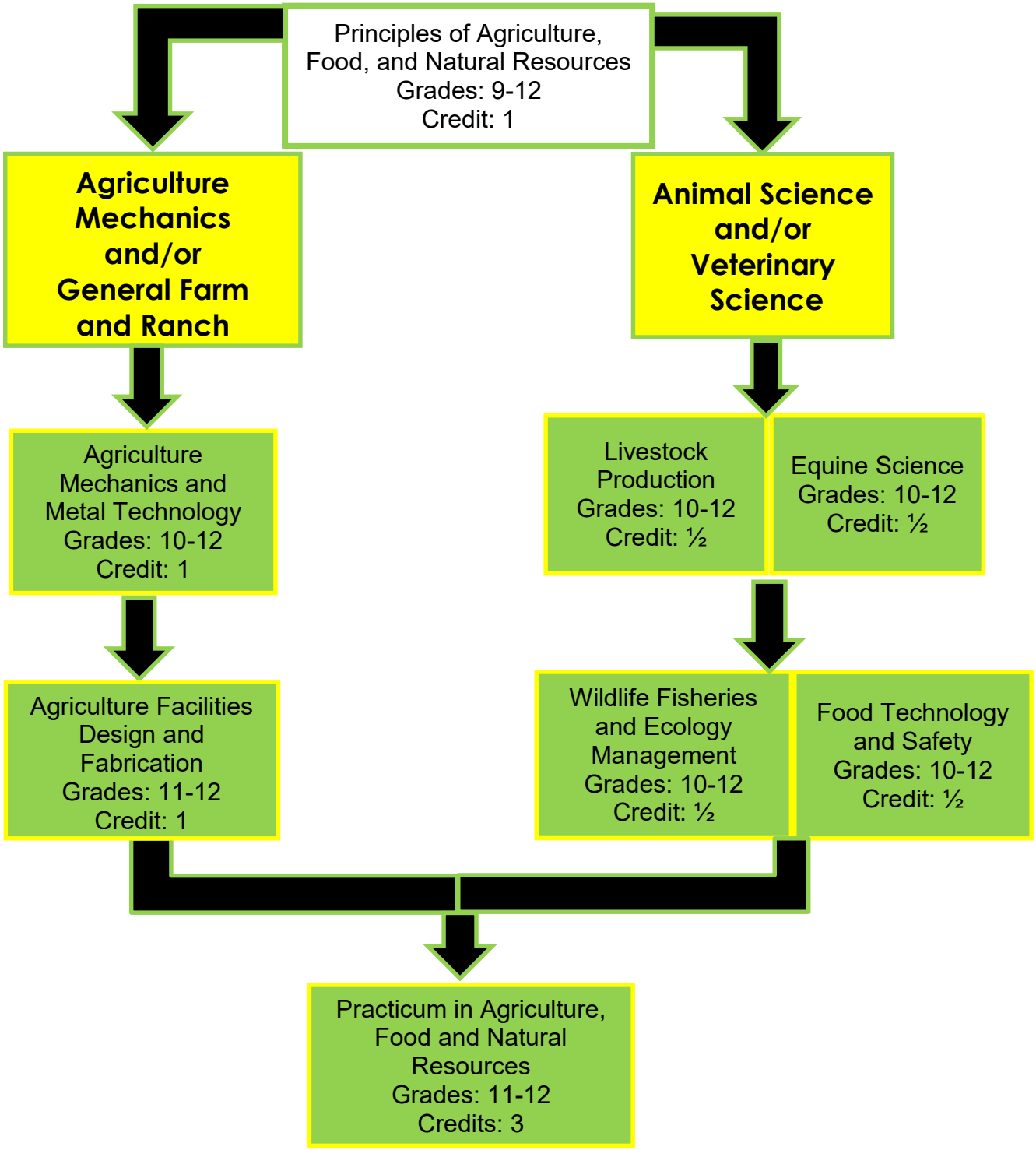
Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Marketing and Retailing Advertising and Graphic Design Fashion Design	Advertising Marketing Merchandising Fashion Merchandising	Certified Customer Service

Postsecondary Options in Transportation, Distribution, & Logistics:

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
GIS/Global Positioning Automotive Systems Technology Motorcycle Mechanics Automotive Parts Sales Representative Insurance Adjuster Wind Energy Technician	Mechanical Engineering Automotive Engineering Automobile Design Energy Plant Management	Automotive Service Excellence (ASE) I-CAR Damage Analysis and Estimating Certification Engine Machinist Parts Specialist Certification

Agriculture, Food, and Natural Resources

Careers in Agriculture, Food & Natural Resources involve planning and managing agriculture, food, fiber, and natural resource systems. They also include the production of agricultural commodities such as food, fiber, wood products, horticultural crops, and other plant and animal products. Other important parts of these careers are: financing, processing, marketing and distribution of agricultural products; farm production, supply and service industries; horticulture and landscaping services; the conservation and use of land and water resources; the development and maintenance of recreational resources operations; and related environmental management services.



Agriculture, Food, and Natural Resources

Principles of Agriculture, Food and Natural Resources (PRINAFNR)

Course #: 08800 ***Credits: 1***

PEIMS #: 13000200 ***Grades: 9-12***

This basic course is designed to provide an introduction to global agriculture. The course includes instructional units in agricultural career development, leadership, communications, personal finance and mechanized agriculture. Topics will enhance the student's understanding of historical significance and interdependency of agriculture to societies of the world, and enhance the agricultural comprehension in agricultural science. It will also include the study of soils, plants, animals, agricultural construction, food science, and supervised agricultural experience programs and leadership. This course cannot be entered at mid-term. This course may be taken to satisfy the speech credit.

Prerequisites: None

Livestock Production (LIVEPROD)

Course #: 08801 ***Credits: ½***

PEIMS #: 13000300 ***Grades: 10-12***

This course is designed to develop knowledge and skills pertaining to the nutrition, reproduction, health and management of domestic animals. Students will have the opportunity to complete certification in Beef Quality Assurance.

Prerequisites: None

Equine Science (EQUINSCI)

Course #: 08802 ***Credits: ½***

PEIMS #: 13000500 ***Grades: 10-12***

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

Prerequisites: None

Food Technology and Safety (FOODTS)

Course #: 08803 ***Credits: ½***

PEIMS #: 13001300 ***Grades: 10-12***

This course is concerned with world food production, the processing, preparing, and packaging of foods, government regulations regarding foods, exploring career opportunities, and leadership development.

Prerequisites: None

Wildlife, Fisheries, and Ecology Management (WFECGT)

Course #: 08804 ***Credits: ½***

PEIMS #: 13001500 ***Grades: 10-12***

This course is designed to examine the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources.

Prerequisites: None

Agricultural Mechanics and Metal Technologies (AGMECHMT)

Course #: 08807 ***Credits: 1***

PEIMS #: 13002200 ***Grades: 10-12***

To be prepared for careers in agricultural power, structural, and technical systems, students need to attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tools operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques.

Prerequisites: Principles of Agriculture, Food and Natural Resources

Agricultural Facilities Design and Fabrication (AGFDFAB)

Course #: 08808 ***Credits: 1***

PEIMS #: 13002300 ***Grades: 11-12***

This course is designed to develop skills in the maintenance, evaluation, design, and building of agricultural structures using approved construction techniques. The following topics will be discussed: safe working practices, proper planning and design, the installation and maintenance of electrical systems and farm water systems. Students will have the opportunity to complete certification in NCCER Core Safety. This course cannot be entered at mid-term.

Prerequisites: None

Practicum in Agriculture, Food and Natural Resources (PRACAFNR)

Course #: 08809 ***Credits: 3***

PEIMS #: 13002500 ***Grades: 11-12***

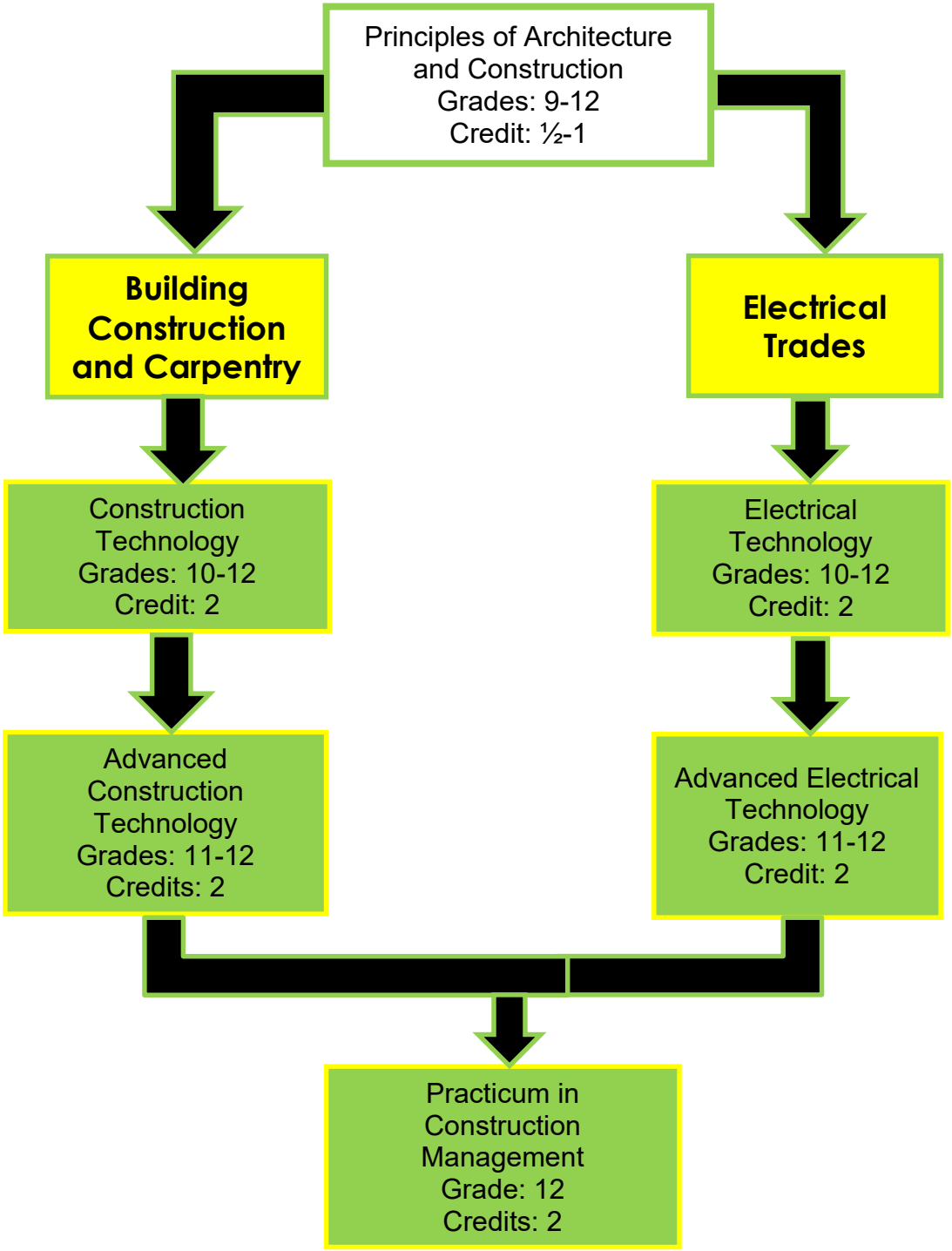
This work-based learning course is designed to provide entry-level training in specific agribusiness careers. The student may participate in either paid or unpaid work experiences at an approved agribusiness training station in the local community. Classroom instruction is designed to teach the student workplace readiness skills and job-specific skills related to the work experience. Students will have the opportunity to complete the National Career Readiness Certification.

Prerequisites: Minimum age of 16 at time of enrollment, application and teacher approval

Practicum in Agriculture, Food, and Natural Resources II (PRACAFN2)	
Course #: 08810	***Credits: 3***
PEIMS #: 13002510	***Grades: 11-12***
This work-based learning course is designed to provide entry-level training in specific agribusiness careers. The student may participate in either paid or unpaid work experiences at an approved agribusiness training station in the local community. Classroom instruction is designed to teach the student workplace readiness skills and job-specific skills related to the work experience.	
Prerequisites: Practicum in Agriculture, Food and Natural Resources	

Architecture and Construction

LOOK AROUND YOU. You are likely inside a room in a building, maybe your school. You are in a structure that started with an idea in an architect's head. He or she imagined how tall it would be, how many rooms it would hold, where the walls and doorways would stand. The architect drew up the plans that guided teams of people as they went about constructing the building…..plumbers, electricians, masons, roofers, framers, and so on. And now the building is finished, another team of people manage and maintain it, keeping equipment up and running, the spaces clean and organized, and the windows glistening. These are the people who work in the Architecture & Construction cluster. If you like to design and build things, tinker with tools and technology, or decorate homes and offices with flooring, paint, furniture, and art, then Architecture & Construction could be the right career cluster for you.



Architecture and Construction

Principles of Architecture and Construction (PRINARCH)	
Course #: 08811-P1	***Credits: ½***
PEIMS #: 13004200	***Grades: 9-12***
This course provides an overview to the various fields of architecture, design, and blueprint reading. Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, educational, and career information to set and achieve realistic career and educational goals. Job-specific, skilled training can be provided through the use of training modules to identify career goals in trade and industry areas. Safety and career opportunities are included, in addition to work ethics and job-related study in the classroom such as communications; problem solving and critical thinking; Information Technology Applications; systems; safety, health and environmental; leadership and teamwork; ethics and legal responsibilities; employability and career development; technical skills. Students must successfully complete part 1 and part 2 to obtain NCCER Core Certification.	
Prerequisites: None	

Principles of Architecture and Construction (PRINARCH)	
Course #: 08811-P2	***Credits: ½***
PEIMS #: 13004200	***Grades: 9-12***
This course provides an overview to the field of construction science, and construction technology. Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, educational, and career information to set and achieve realistic career and educational goals. Job-specific, skilled training can be provided through the use of training modules to identify career goals in trade and industry areas. Safety and career opportunities are included, in addition to work ethics and job-related study in the classroom such as communications; problem solving and critical thinking; Information Technology Applications; systems; safety, health and environmental; leadership and teamwork; ethics and legal responsibilities; employability and career development; technical skills; introduction to hand tools; introduction to power tools; and reading technical information. Students must successfully complete part 1 and part 2 to obtain NCCER Core Certification.	
Prerequisites: None	

Construction Technology (CONSTECH)	
Course #: 08812	***Credits: 2***
PEIMS #: 13005100	***Grades: 10-12***
In Construction Technology students gain knowledge and skills specific to those needed to enter the workforce as carpenters or building maintenance supervisors, or prepare for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. Students will continue their NCCER certification in carpentry. **This course cannot be entered at mid-term and may not be offered on both high school campus, but is open to all AISD students.**	
Prerequisites: Principles of Architecture and Construction Part 1 and 2 *or* ***NCCER Core Certificate***	

Advanced Construction Technology (ADVCONST)	
Course #: 08813	***Credits: 2***
PEIMS #: 13005200	***Grades: 11-12***
A pre-employment lab course designed to provide job specific training for entry-level employment in construction-related careers: carpenter, bricklayer, residential electrician, commercial welder, plumber, painter, and decorator. Instruction includes safety and career opportunities Students will continue their NCCER certification in carpentry. **This course cannot be entered at mid-term and may not be offered on both high school campus, but is open to all AISD students.**	
Prerequisites: Construction Technology recommended	

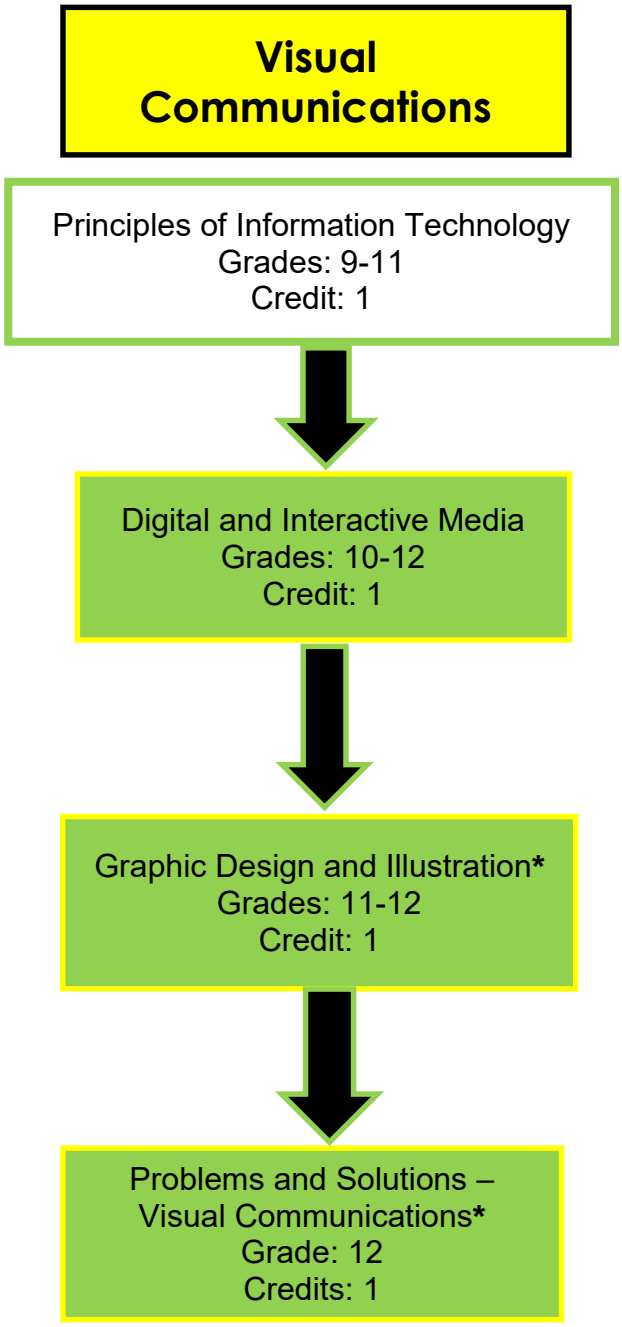
Electrical Technology (ELECTECH)	
Course #: 08814	***Credits: 2***
PEIMS #: 13005600	***Grades: 10-12***
A pre-employment laboratory course designed to provide job-specific training for entry-level employment in the high demand field of residential and commercial/industrial electrical careers. This course includes installation, servicing skills, safety, and actual job-site training that leads to career opportunities as a licensed apprentice electrician. Students will have the opportunity to complete certification in NCCER Electrical Trades. Hours completed during the course can be transferred to advanced licenses in the industry. **This course is offered on the Abilene High School campus, but is open to all AISD students. This course cannot be entered at mid-term.**	
Prerequisites: Principles of Architecture and Construction part 1 and 2 *or* ***NCCER Core Certificate***	

Advanced Electrical Technology (ADVELECT)	
Course #: 08815	***Credits: 2***
PEIMS #: 13005700	***Grades: 11-12***
This second-year pre-employment lab course is designed to provide advanced job-specific training for entry-level employment in the high demand field of residential and commercial/industrial electrical careers. This course includes actual job-site training and a license as an apprentice electrician. Students will have the opportunity to complete the NCCER Electrical Trades certification. Hours completed during the course can be transferred to advanced licenses in the industry. **This course is offered on the Abilene High School campus, but is open to all AISD students.** Students cannot enter this course at mid-term.	
Prerequisites: Electrical Technology	

Practicum in Construction Management (PRACCONS)	
Course #: 08818	***Credits: 2***
PEIMS #: 13006200	***Grades: 12***
Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences in the construction industry. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom. The Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business application of emerging technologies, students develop a foundation in the economical, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment.	
Prerequisites: Advanced Construction, Advanced Electrical	

Arts, A/V Technology and Communications

Careers in Arts, A/V Technology & Communications involve performing, visual, literacy, and media arts as well as studies in humanities and culture. Those that choose a career in this pathway are able to use their individual talents in many different ways. Careers in this area include direct interaction with people. Such jobs depend on the person's ability to express ideas to others using spoken, written, and non-verbal language. They also include the ability to listen effectively and react appropriately, especially in group situations.



***TSTC Online AISD Computer Lab**

Arts, A/V Technology, and Communications

Some of the courses in this cluster are offered through a partnership with Texas State Technical College West Texas. These classes are dual credit classes that will be offered through an online agreement with TSTC.

Principles of Information Technology (PRINIT)	
Course #: 08863	***Credits: 1***
PEIMS #: 13027200	***Grades: 9-10***
Students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment. Students will have the opportunity to complete the IC3 certification. This course cannot be entered at mid-term.	
Prerequisites: None	

Audio Visual Production (AVPROD)	
Course #: 09289	***Credits: 1***
PEIMS #: 13008500	***Grades: 10-12***
Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with the focus on pre-production, production, and post-production audio and video activities. Students must be 16 years old and have transportation to Shotwell Stadium. **Only offered at Cooper High.**	
Prerequisites: None	

Graphic Design and Illustration (GRAPHDI)	
Dual Credit – Online	
Course #: T8819	***Credits: 1***
PEIMS #: 13008800	***Grades: 11-12***
Graphic design and illustration is an **online** course with TSTC that will span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.	
Prerequisites: Principles of Information Technology recommended	

Problems And Solutions – Visual Communications (PROBS1)	
Dual Credit – Online	
Course #: T8963	***Credits: 1***
PEIMS #: 12701500	***Grades: 12***
This course is the end of a sequence for dual credit through TSTC and covers vector graphics and web page design. The course is offered at both high school campuses in an **online** environment. Students must have taken Graphic Design and Illustration.	
Prerequisites: Graphic Design and Illustration	

Business Management and Administration

Careers in these fields provide a broad range of opportunities in the exciting world of business and financial management, including entrepreneurship (owning your own business), sales, marketing, computer information systems, finance, accounting, personnel, economics and management. Within this variety of careers, each has its own activities, opportunities and requirements. While an accountant needs to be organized and is called upon to analyze, process and communicate information concerning financial operations, a fashion merchandiser must be able to plan, promote, buy and sell apparel. Even though these are two different jobs, both require skills in human relations (working with people), management, administration and communication.

Administrative and Information Support Systems
(suggested sequence of courses)

Principles of Business, Marketing and Finance
Grades: 9-11
Credit: ½ - 1

Business Information Management I
Grades: 9-12
Credit: 1

Business Information Management II
Grades: 10-12
Credit: 1

Business Management
Grades: 10-12 – Credit: 1

----------Or----------

Business Law
Grades 11-12 – Credit: ½
and
Global Business
Grades 10-12 – Credit: ½

Practicum in Business Management
Grades: 11-12
Credits: 3

Business Management and Administration

Principles of Business, Marketing, and Finance (PRINBMF)

Course #: 08824 ***Credits: ½***

PEIMS #: 13011200 ***Grades: 9-11***

Course #: 08917 ***Credits: 1***

PEIMS #: 13011200 ***Grades: 9-11***

This course introduces practical business procedures and develops the foundation for competent business participation and self-sufficiency in today's world. It also develops flexibility and adaptability for the rapidly changing business environment as well as other skills necessary for success in the workforce. Reading, writing, and calculating skills will be reinforced and effective communication and information management skills will be developed through the use of emerging technology.

Prerequisites: None

Business Information Management I (BUSIM1)

Course #: 08826 ***Credits: 1***

PEIMS #: 13011400 ***Grades: 9-12***

Students apply technical skills to address business applications of emerging technologies, create word processing documents, develop spreadsheets, formulate databases, and make electronic presentations using Microsoft Office Suite. Students will be expected to complete the Microsoft Office Specialist (MOS) exam for Word certification. This course cannot be entered at mid-term.

Prerequisites: None

Business Information Management II (BUSIM2)

Course #: 08827 ***Credits: 1***

PEIMS #: 13011500 ***Grades: 10-12***

This course is a continuation of Business Information Management I. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make electronic presentations using Microsoft Office Suite. Students will be expected to complete the Microsoft Office Specialist (MOS) exam for Excel and PowerPoint certification. This course cannot be entered at mid-term.

Prerequisites: Business Information Management I

Business Law (BUSLAW)

Course #: 08828 ***Credits: ½***

PEIMS #: 13011700 ***Grades: 11-12***

Students 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 employment, and real property. Students apply technical skills to address business applications or contemporary legal issues. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

Prerequisites: None

Global Business (GLOBBUS)

Course #: 08829 ***Credits: ½***

PEIMS #: 13011800 ***Grades: 10-12***

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce and postsecondary education. Students apply technical skills to address global business applications of emerging technologies. Students develop a foundation in the economics, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment.

Prerequisites: None

Business Management (BUSMGT)

Course #: 08830 ***Credits: 1***

PEIMS #: 13012100 ***Grades: 10-12***

Students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students analyze the primary functions of management and leadership, which are planning, organizing, staffing, directing or leading, and controlling. Topics will incorporate social responsibility of business and industry. Students develop a foundation in the economical, financial, technological, international, social, and ethical aspects of business to become competent managers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate management decisions. This course cannot be entered at mid-term.

Prerequisites: None

Problems And Solutions – Office Software Management (PROBS1)

Dual Credit – online

Course #: T8962 ***Credits: 1***

PEIMS #: 12701500 ***Grade: 12***

Office Software Management is the second year of sequence offered by TSTC. This is an **online** course taught on the two high school campuses, but offered for dual credit. The course will deal with presentation software such as PowerPoint and using other types of integrated applications. This course follows the course Business Information Management II

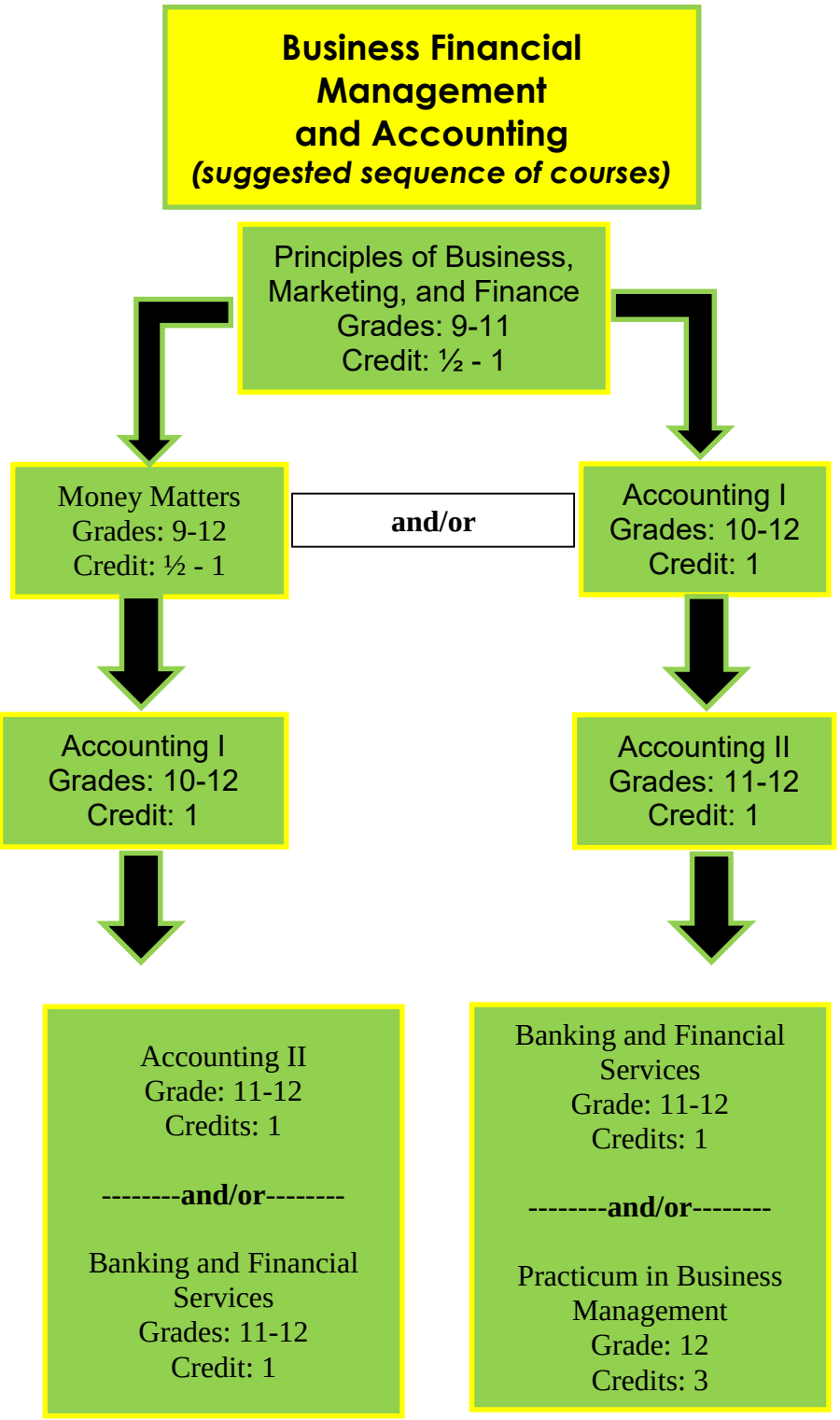
Prerequisites: Business Information Management II

Practicum in Business Management (PRACBM)	
Course #: 08831	***Credits: 3***
PEIMS #: 13012200	***Grades: 11-12***
The Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education, Students apply technical skills to address business application of emerging technologies, students develop a foundation in the economics, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions. Students will have the opportunity to complete a certification as Microsoft Office Specialist—PowerPoint.	
Prerequisites: Business Management or Business Law/Global Business recommended	

Practicum in Business Management II (PRACBM2)	
Course #: 08832	***Credits: 3***
PEIMS #: 13012210	***Grade: 12***
This course is a continuation of Practicum in Business Management and is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education, Students apply technical skills to address business application of emerging technologies, students develop a foundation in the economical, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions	
Prerequisites: Practicum in Business Management	

Finance

MONEY MAKES THE WORLD GO ROUND…. AND THERE IS PLENTY OF IT IN TEXAS. In fact, if our state were its own country, it would be the 10th-largest economy in the world, ranking right between Spain and South Korea. There are about 750 banks in Texas and thousands more brokerage, financial-service, insurance, and accounting firms. Professionals who work in these companies manage investments and make loans, pay for storm damage, sell bonds and stock ATMs with cash, and more. If you are good with numbers, want to play the stock market, or enjoy working with the public, then Finance could be the right career cluster for you.



Finance

Principles of Business, Marketing, and Finance (PRINBMF)	
Course #: 08824	***Credits: ½***
PEIMS #: 13011200	***Grades: 9-11***
Course #: 08917	***Credits: 1***
PEIMS #: 13011200	***Grades: 9-11***
In Principles of Business, Marketing, and Finance students gain knowledge and skills in economics and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.	
Prerequisites: None	

Money Matters (MONEYM)	
Course #: 08837	***Credits: ½***
PEIMS #: 13016200	***Grades: 9-12***
Course #08931	***Credits: 1***
PEIMS #: 13016200	***Grades: 9-12***
Students will investigate global economics with emphasis on the free enterprise system and its impact on consumers and businesses. Students apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to set long-term financial goals through investment, tax planning, asset allocation, risk management, retirement planning, and estate planning. This course may be entered at semester.	
Prerequisites: Principles of Business, Marketing, and Finance recommended	

Accounting I (ACCOUNT1)	
Course #: 08838	***Credits: 1***
PEIMS #: 13016600	***Grades: 10-12***
Students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process or recording, classifying, summarizing, analyzing, and communicating accounting information. Students formulate and interpret financial information for use in management decision making. This course cannot be entered at mid-term.	
Prerequisites: Principles of Business, Marketing, and Finance recommended	

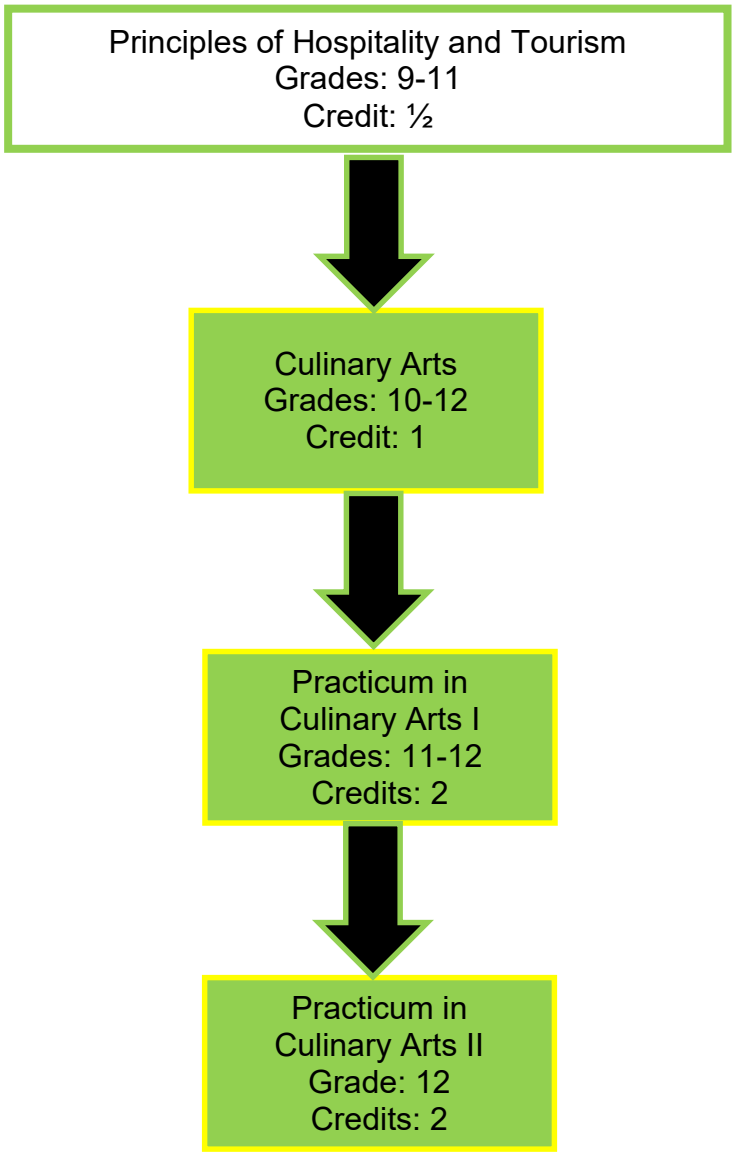
Banking and Financial Services (BANKFIN)	
Course #: 08928	***Credits: 1***
PEIMS #: 13016300	***Grades: 11-12***
Students develop knowledge and skills in the economic, financial, technological, international, social, and ethical aspects of banking to become competent consumers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the operations, sales, and management of banking institutions to gain a complete understanding of how banks function within society.	
Prerequisites: Principles of Business, Marketing and Finance recommended	

Accounting II (ACCOUNT2)	
Course #: 08839	***Credits: 1***
PEIMS #: 13016700	***Grades: 11-12***
Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision making. This course cannot be entered at mid-term.	
Prerequisites: Accounting I	

Hospitality and Tourism

TEXAS IS A TOP TOURIST DESTINATION. People from around the globe come here to visit attractions such as the Alamo, Six Flags Over Texas, and Padre Island National Seashore…..all ranked among the top draws for tourists in the state. Untold millions enjoy our wealth of hotels, restaurants, theaters, museums, zoos, aquariums, rodeos, campgrounds, state and national parks, racetracks, cruises, and more. The job of keeping all those people happy falls to workers in Hospitality & Tourism. Whether chefs, or concierges, travel agents or tour guides, park rangers or players for sports teams, the professionals in this cluster are expert at pleasing the public. If you want to see the world, enjoy serving others, or dream of opening a restaurant of bed and breakfast someday, then Hospitality & Tourism may be the right cluster for you.

Culinary Arts



Hospitality and Tourism

Principles of Hospitality and Tourism (PRINHOSP)	
Course #: 08850	***Credits: ½***
PEIMS #: 13022200	***Grades: 9-11***
The hospitality and tourism industry encompasses lodging; travel and tourism; recreation, amusements, attractions, and resorts; and restaurants and food beverage service. The hospitality and tourism industry maintains the largest national employment base in the private sector. Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.	
Prerequisites: None	

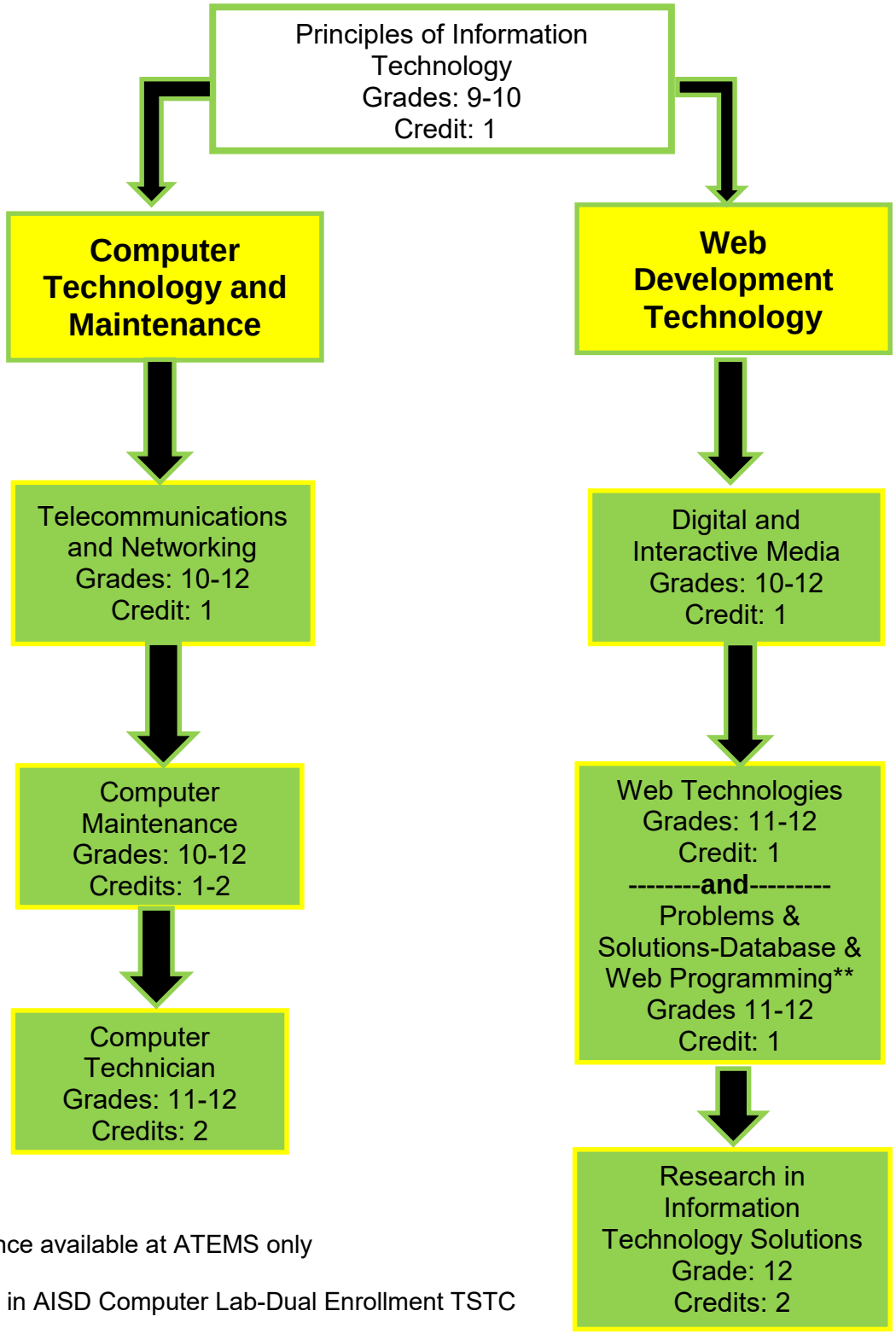
Culinary Arts (CULARTS)	
Course #: 08851	***Credits: 1***
PEIMS #: 13022600	***Grades: 10-12***
Culinary Arts begins with the fundamentals and principles of the art of cooking and the science or baking and includes management and production skills and techniques. Students can pursue a national sanitation certification (ServSafe), a Texas culinary specialist certification, or internship course. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.	
Prerequisites: Principles of Hospitality and Tourism recommended	

Practicum in Culinary Arts (PRACCUL)	
Course #: 08852	***Credits: 2***
PEIMS #: 13022700	***Grades: 11-12***
This course is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual industry career experiences in the culinary arts fields. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Hospitality and Tourism cluster. Students will have the opportunity to complete the ServSafe Food Safety Certification.	
Prerequisites: Culinary Arts	

Practicum in Culinary Arts II (PRACCUL2)	
Course #: 08853	***Credits: 2***
PEIMS #: 13022710	***Grade: 12***
This course is a continuation of Practicum in Culinary Arts. Students will be able to build on the culinary knowledge and skills gained in Practicum in Culinary Arts I. Students will be provided internship opportunities in appropriate industry locations.	
Prerequisites: Practicum in Culinary Arts	

Information Technology

TEXAS IS THE HEART AND SOUL OF THE INFORMATION TECHNOLOGY REVOLUTION. Our state is home to world-class high-tech companies such as Texas Instruments, Dell, and Advanced Microsystems. Countless smaller firms create computer games, set up custom networks, service computer equipment, or develop and manage websites. In fact, every business in Texas needs IT expertise, either from in-house staff or from outside vendors. Keeping electronic data flowing takes both technical expertise and problem-solving savvy. If you are good at grasping technology works, have an idea for a new website or computer game, or want a career that is always changing, then Information Technology may be the right cluster for you.



*Sequence available at ATEMS only

**Online in AISD Computer Lab-Dual Enrollment TSTC

Information Technology

Principles of Information Technology (PRINIT)

Course #: 08863 ***Credits: 1***

PEIMS #: 13027200 ***Grades: 9-10***

Students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment. Students will have the opportunity to complete the IC3 certification. This course cannot be entered at mid-term.

Prerequisites: None

Computer Maintenance (COMPMTN)

Course #: 08933 ***Credits: 1***

PEIMS #: 13027300 ***Grades: 9-12***

Course #: 08864 ***Credits: 2***

PEIMS #: 13027300 ***Grades: 9-12***

Students acquire principles of computer maintenance, including electrical and electronic theory, computer hardware principles, and broad level components related to the installation, diagnosis, service, and repair of computer systems. To prepare for success, students must have opportunities to reinforce, apply and transfer knowledge and skills to a variety of settings and problems. Students will have the opportunity to complete the A+ certification. This course cannot be entered at mid-term.

Prerequisites: Principles of Information Technology recommended

Telecommunications and Networking (TELECOMN)

Option for Dual Credit

Course #: 08865 ***Credits: 1***

PEIMS #: 13027400 ***Grades: 9-12***

Students develop knowledge of the concepts and skills related to telecommunications and data networking technologies and practices in order to apply them to personal or career development. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Students will have the opportunity to complete the Networking+ certification.

Prerequisites: Principles of Information Technology and Computer Maintenance or concurrent enrollment recommended

Computer Technician (COMPTECH)

Course #: 08866 ***Credits:2***

PEIMS #: 13027500 ***Grades: 10-12***

Students gain knowledge and skills in the area of computer technologies, including advanced knowledge of electrical and electronic theory, computer principles, and components related the installation, diagnosis, service, and repair of computer-based technology systems. Students will reinforce, apply, and transfer their knowledge and skills to a variety of settings and problems. Proper use of analytical skills and application of information technology concepts and standards are essential to prepare students for success in a technology-driven society. The critical thinking, information technology experience, and product development may be conducted either in a classroom setting with an instructor, with an industry mentor, or both.

Prerequisites: Computer Maintenance recommended

Computer Programming (COMPPROG)

Course #: 08867 ***Credits: 1***

PEIMS #: 13027600 ***Grades: 10-12***

Students acquire knowledge of structured programming techniques in HTML5 and concepts appropriate to developing executable programs and creating appropriate documentation. Students analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health safety, and diversity in society and in the workplace as it relates to computer programming. Students apply technical skills to address business applications of emerging technologies. **This course may be taken for credit in languages other than English.**

Prerequisites: Principles of Information Technology recommended

Digital and Interactive Media (DIMEDIA)

Course #: 08869 ***Credits: 1***

PEIMS #: 13027800 ***Grades: 10-12***

Through the study of digital and interactive media and its application in information technology, 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. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment. This course cannot be entered at mid-term.

Prerequisites: Principles of Information Technology recommended

Problems and Solutions – Digital Marketing (PROBS1)

Dual Credit – Online

Course #: T8965 ***Credits: 1***

PEIMS #: 12701500 ***Grades: 11-12***

Digital Marketing is the second year of sequence offered by TSTC. This is an **online** course taught on the two high school campuses, but offered for dual credit. The course will deal with digital signs and how they are programmed and used as a marketing tool in today's society. This course follows the course Digital and Interactive Media.

Prerequisites: Digital and Interactive Media

Web Technologies (WEBTECH)

Course #: 08870 ***Credits: 1***

PEIMS #: 13027900 ***Grades: 11-12***

Through the study of web technologies and design, students learn to make informed decisions and apply the decisions to the field of information technology. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment.

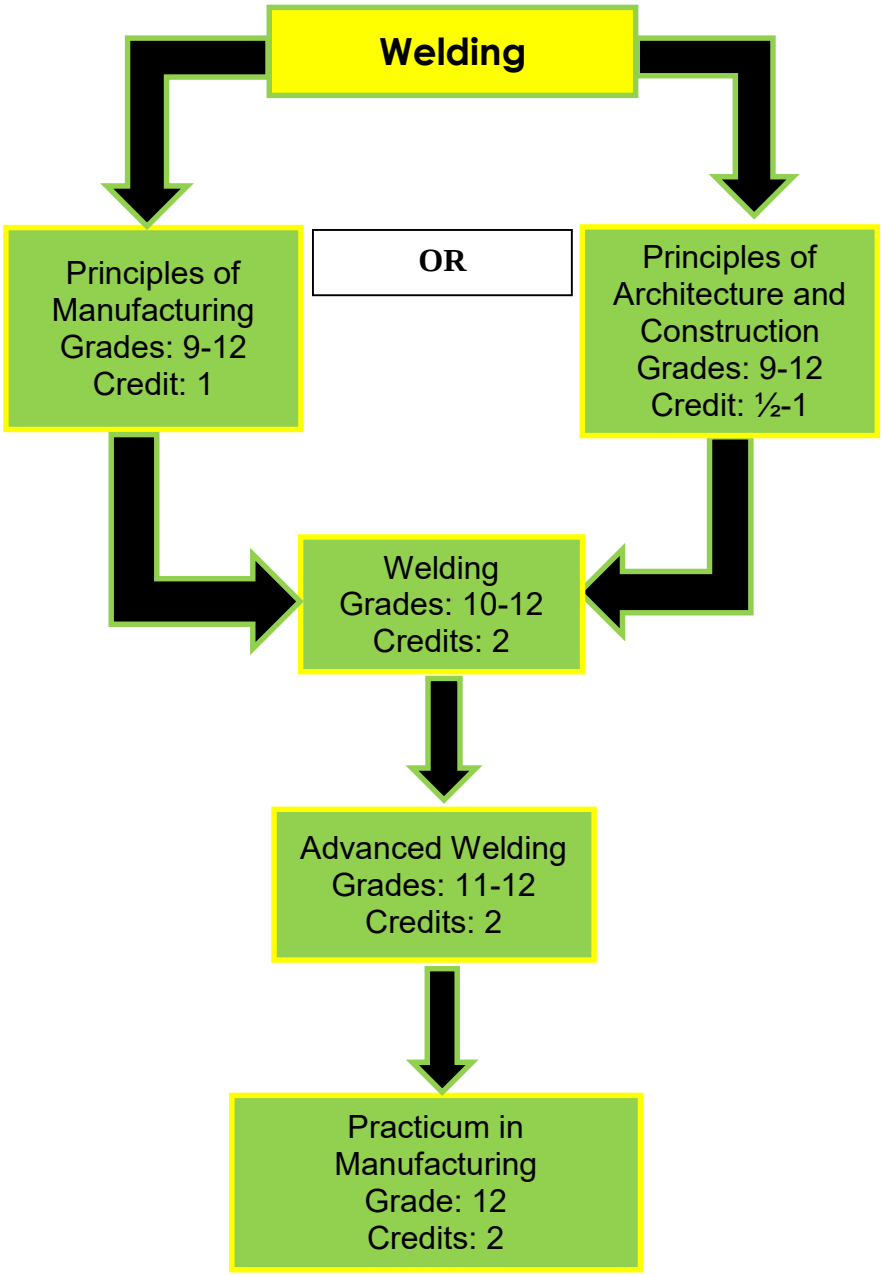
Prerequisites: Principles of Information Technology recommended

Problems And Solutions – Database And Web Programming (PROBS1)	
Dual Credit – Online	
Course #: T8964	***Credits: 1***
PEIMS #: 12701500	***Grade: 11-12***
Database and Web Programming is the second year of sequence offered by TSTC. This is an **online** course taught on the two high school campuses, but offered for dual credit. The course will deal with programming web pages and the use of oracle as it relates to web design and programming. This course follows the course Web Technologies	
Prerequisites: Web Technologies or concurrent enrollment	

Research in Information Technology Solutions (RESITSOL)	
Course #: 08871	***Credits: 2***
PEIMS #: 13028000	***Grade: 12***
This is a capstone course recommended for senior students at ATEMS. Students gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. Knowledge and skills in the proper use of analytical and application of information technology concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, information technology experience, and product development may be conducted in a classroom setting with an industry mentor, as an unpaid internship, or as career preparation. A capstone project is required to successfully complete the course.	
Prerequisites: A minimum of two high school information technology courses required	

Manufacturing

MANUFACTURING IS MAKING THINGS. Raw materials become products such as cars, computer chips, cell phones, contact lenses, cosmetics, clothes and more. Employees who create those products range from production-line workers in factories assembling parts to executives in skyscrapers overseeing global operations. Repetitive tasks that typically occur in manufacturing are being performed by robots and the automation process, which requires highly trained employees that can adapt to a variety of situations. Manufacturing today needs people who can understand highly technical information and make complex decisions. Workers are responsible for creative problem solving that ensures companies meet the highest quality standards. If you like building things, can follow detailed instructions, or are good at organizing people and processes, then Manufacturing could be the right career cluster for you.



Manufacturing

Principles of Manufacturing (PRINMAN)	
Course #: 08878	***Credits: 1***
PEIMS #: 13032200	***Grades: 9-12***
In Principles of Manufacturing, students 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 principles of manufacturing, the design of technology, the efficient prediction of technology, and the assessment of the effects of manufacturing production technology prepare students for success in the modern world. The study of manufacturing technology allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities and problems in a manufacturing setting. In addition to general academic and technical knowledge and skills, students gain an understanding of career opportunities available in manufacturing and what employers require to gain and maintain employment in these careers. This course cannot be entered at mid-term.	
Prerequisites: None	

Welding (WELD)	
Course #: 08879	***Credits: 2***
PEIMS #: 13032300	***Grades: 10-12***
Rapid advances in technology have created new career opportunities and demands in many industries. Welding provides the knowledge, skills, technologies required for employment in metal technology systems. Students will have the opportunity to complete the NCCER Core Safety certification. This course cannot be entered at mid-term. **This course is offered on the Cooper High School campus but is open to all AISD students.**	
Prerequisites: Principles of Manufacturing or Principles of Architecture and Construction recommended	

Advanced Welding (ADVWELD)	
Course #: 08880	***Credits: 2***
PEIMS #: 13032400	***Grades: 11-12***
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 integrates academic and technical knowledge and skills, Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Students will have the opportunity to complete the NCCER Welding certification as well as the American Welding Society—Level I certification. **This course is offered on the Cooper High School campus but is open to all AISD students.**	
Prerequisites: Welding; Algebra I or Geometry recommended	

Practicum in Manufacturing (PRACMANU)	
Course #: 08883	***Credits: 2***
PEIMS #: 13033000	***Grades: 12***
The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the manufacturing cluster. The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.	
Prerequisites: Advanced Welding recommended	

Marketing

BUILDING A CAREER IN THE BOOMING FIELD OF MARKETING, SALES & SERVICE STARTS WITH SELLING YOU. You need to think of yourself as a "product" and define the features and benefits that will attract your "customers".....the employers that might hire you. Your resume is like an advertisement telling your story clearly and compellingly by detailing the education, experience, and skills you have that qualify you for the job. Then, with persistence, comes an interview, during which you have to dress to impress, speak and listen well, and show that you can be a valuable member of the organization's team. Finally, you need to close the deal by following up with a thank-you note that makes a positive impact on the hirer. If you want to learn how to package yourself for success, sell any type of product or service, or serve all kinds of customers, then Marketing may be the right cluster for you.

Principles of Business, Marketing and Finance
Grades: 9-12
Credit: ½ - 1

Fashion Design and Merchandising

Fashion Design
Grades: 10- 12
Credit: 1

Advanced Fashion Design
Grades: 11-12
Credits: 2

Practicum in Fashion Design
Grade: 12
Credits: 2

Marketing

Principles of Business, Marketing, and Finance (PRINBMF)

Course #: 08824	***Credits: ½***
PEIMS #: 13011200	***Grades: 9-11***
Course #: 08917	***Credits: 1***
PEIMS #: 13011200	***Grades: 9-11***

In Principles of Business, Marketing, and Finance students gain knowledge and skills in economics and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.

Prerequisites: None

Fashion Design (FASHDSN)

Course #: 08821	***Credits: 1***
PEIMS #: 13009300	***Grades: 10-12***

Fashion design spans all aspects of the textile and apparel industries. In addition to developing technical knowledge and skills needed for success in designing and marketing fashion and apparel, students will be expected to develop an understanding of fashion and the textile and apparel industries. This course cannot be entered at mid-term.

Prerequisites: Principles of Business, Marketing and Finance recommended

Advanced Fashion Design (ADVFASHD)

Course #: 08929	***Credits: 2***
PEIMS #: 13009400	***Grades: 11-12***

Careers in fashion span all aspects of the textile and apparel industries. Within this context, students will be expected to develop an advanced understanding of fashion, with emphasis on design and production.

Prerequisites: Fashion Design

Practicum in Fashion Design (PRACFASH)

Course #: 08930	***Credits: 2***
PEIMS #: 13009500	***Grades: 12***

Careers in fashion span all aspects of the textile and apparel industries. Within this context, students will be expected to develop an advanced technical understanding of the business aspects of fashion, with emphasis on promotion and retailing. The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. The practicum course is paid or unpaid experience for students participating in a coherent sequence of career and technical education courses in the Marketing cluster.

Prerequisites: Advanced Fashion Design

Entrepreneurship (ENTREP)

Course #: 08934	***Credits: ½-1***
PEIMS #: 13034400	***Grades: 9-12***

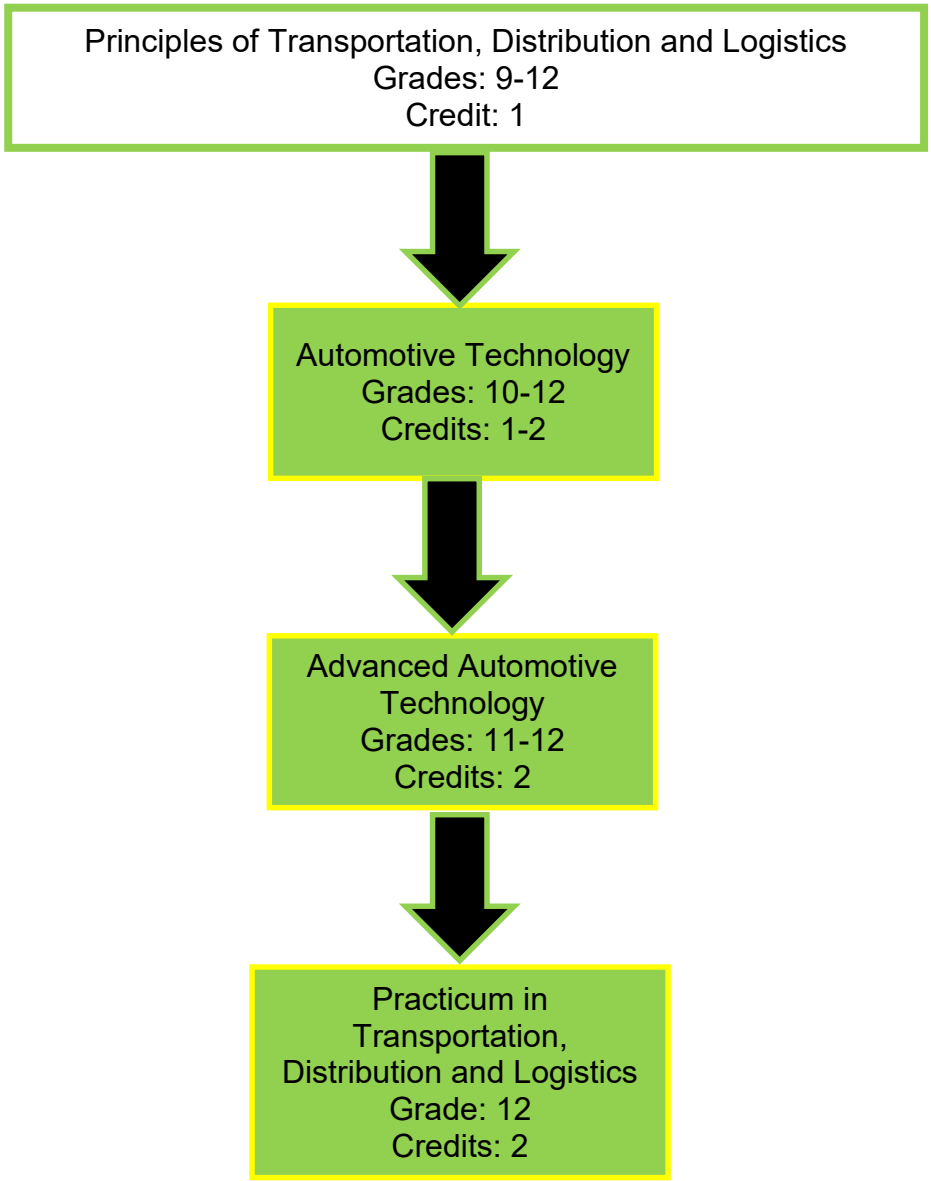
In this course students will gain the knowledge and skills needed to develop an entrepreneurial mindset. The first semester is based on the Ice House Entrepreneurship Program sponsored by the Kauffman Foundation. This Kaufmann Fast Trac immersive course is designed to provide high school students with the foundational knowledge and characteristics needed to successfully launch a business idea. The second semester of the course will focus on the development of a business plan. The curriculum is based on a Kaufmann Fast Trac course called Planning the Entrepreneurial Venture and is designed to provide high school students with the knowledge necessary to effectively plan and implement a small business. Students are provided online access to a variety of activities, concepts, examples, and audio and video clips featuring successful entrepreneurs. Classroom sessions are designed to allow the instructor to reinforce the course content and provide additional information in facilitated lectures, presentations and discussions. Guest speakers will be invited, including local entrepreneurs, to share experiences, and a case study of a theoretical company is threaded through the course content. Students will receive elective credit with successful completion of this course.

Prerequisites: Principles of Business, Marketing and Finance Recommended

Transportation, Distribution, and Logistics

TEXAS IS ON THE MOVE. Every day, everywhere in the northern, southern, eastern, and western parts of the state, people and products travel hundreds of thousands of miles of roads, waterways, railroad tracks, and air routes……all because of those who work in Transportation, Distribution & Logistics. These professionals are responsible for ensuring that all the properly maintained vehicles and the right plans are in place so that everyone and everything gets to the right place on time at the lowest possible cost. They are experts at planning and project management, increasingly using technology such as Global Positioning System (GPS) satellites and Radio Frequency Identification (RFID) tags to track the location of shipments. If you are a mover and shaker, have a talent for organization, or yearn to see new places, then Transportation, Distribution & Logistics could be the right career cluster for you.

Automotive



Transportation, Distribution, and Logistics

Principles of Transportation, Distribution and Logistics (PRINTDL)

Course #: 08893 ***Credits 1***

PEIMS #: 13039200 ***Grades:9-12***

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

Prerequisites: None

Automotive Technology (AUTOTECH)

Course #: 08932 ***Credits:1***

PEIMS #: 13039600 ***Grades:10-12***

Course #: 08895 ***Credits: 2***

PEIMS #:13039600 ***Grades:10-12***

Automotive services include knowledge of the function of the major automotive systems and the principles of diagnosing and servicing these systems. In Automotive Technology, students gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach the theory of operation of automotive vehicle systems and associate repair practices. **This course is offered at Abilene High only but is open to all AISD students.**

Prerequisites: Principles of Transportation, Distribution, and Logistics recommended

Advanced Automotive Technology (ADVAUTOT)

Course #: 08896 ***Credits: 2***

PEIMS #: 13039700 ***Grades: 11-12***

Automotive services include advanced knowledge of the function of the major automotive systems and the principles of diagnosing and servicing these systems. In Advanced Automotive Technology, students gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach the theory of operation of automotive vehicle systems and associated repair practices. **This course is offered at Abilene High only but is open to all AISD students.**

Prerequisites: Automotive Technology recommended

Practicum in Transportation, Distribution, and Logistics (PRACTDL)

Course #: 08897 ***Credits: 2***

PEIMS #: 13040400 ***Grades: 12***

The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of courses in the Transportation, Distribution, and Logistics cluster. The Practicum is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience, such as internships, mentorships, independent study, or laboratories. . **This course is offered at Abilene High only but is open to all AISD students.**

Prerequisites: Advanced Automotive Technology recommended

Public Services Endorsement

Subject to State Board of Education approval and updates:

A student may earn a Public Services Endorsement by completing the following requirements:

1. a coherent sequence of courses for four or more credits in CTE that consists at least two courses in the same career cluster, including at least one advanced CTE course which includes any course that is the third of higher course in a sequence. The final course in the sequence must be selected from one of the CTE career clusters listed in the following:
    - Education and Training
    - Government and Public Administration
    - Health Science
    - Human Services
    - Law, Public Safety, Corrections and Security; or
2. four credits in Junior Reserve Officer Training Corps (JROTC)

Endorsement	Career Clusters	Course Name	Local Course Number	State Course Number	Location	Credits
PUBLIC SERVICE	EDUCATION & TRAINING	Business Information Management I	08826	13011400	AHS/CHS	1
		Principles of Education & Training	08833	13014200	AHS/CHS	.5
		Instructional Practices in Education & Training	08835	13014400	AHS/CHS	2
		Practicum in Education & Training	08836	13014500	AHS/CHS	2
		Child Development	08857	13024700	AHS/CHS	.5
		Interpersonal Studies	08905	13024400	AHS/CHS	.5
		Child Guidance I	08858	13024800	AHS/CHS	2
		Child Guidance II	08859	13025000	AHS/CHS	2
	GOVERNMENT & PUBLIC ADMINISTRATION	Business Information Management I	08826	13011400	AHS/CHS	1
		Advanced Placement or Dual Credit Political Science Courses	07403	A3330100	AHS/CHS	1
		Advanced Placement or Dual Credit Economics	07304	A3310200	AHS/CHS/ ATEMS	1
		Dual Credit Business Courses				
		Psychology	07281	03350100	AHS/CHS/ ATEMS	.5
		Sociology	07391	03370100	AHS/CHS/ ATEMS	.5
		Interpersonal Studies	08905	13024400	AHS/CHS	.5
		ROTC I, II, III, IV	PE cr-04910; 09161; 09263; 09265; 09367	PES00004; 03160100; 03160200; 03160300; 03160400	AHS/CHS	1 each
	HEALTH SCIENCE	Business Information Management I	08826	13011400	AHS/CHS	1
		Medical Terminology	08842	13020300	AHS/CHS	.5
		Principles of Health Science	08841	13020200	AHS/CHS	1
		Practicum in Health Science-Certified Nurse Assistant	08843	13020400	Holland	2
		Practicum in Health Science-Dental Assistant	08922	13020500	Holland	2
		Practicum in Health Science-Diversified Healthcare Skills	08844	13020400	Holland	2
		Practicum in Health Science-Medical Assistant	08845	13020500	Holland	2
		Practicum in Health Science-Pharmacy Technician	08846	13020500	Holland	2
		Medical Microbiology	08848	13020700	Holland	.5
		Pathophysiology	08849	13020800	Holland	.5
		Anatomy and Physiology	08847	13020600	AHS/CHS/ ATEMS/ Holland	1
		Problems & Solutions-Research and Design	08952	12701500	Holland	1
		Health Education	04201	03810100	AHS/CHS	.5
		Advanced Health Education	04301	03810200	AHS/CHS	.5
		Sports Medicine I	04205	N1150040	AHS	1
		Sports Medicine II	04207	N1150041	AHS	1
		Sports Medicine III	04209	N1150044	AHS	1

Endorsement	Career Clusters	Course Name	Local Course Number	State Course Number	Location	Credits
PUBLIC SERVICE	HUMAN SERVICES	Business Information Management I	08826	13011400	AHS/CHS	1
		Principles of Human Services	08854	13024200	AHS/CHS	.5
		Child Development	08857	13024700	AHS/CHS	.5
		Dollars and Sense	08855	13024300	AHS/CHS	.5
		Lifetime Nutrition and Wellness	08856	13024500	AHS/CHS	1
		Child Guidance I	08858	13024800	AHS/CHS	2
		Child Guidance II	08859	13025000	AHS/CHS	2
		Introduction to Cosmetology	08860	13025100	AHS	1
		Cosmetology I	08861	13025200;	AHS	3
		Cosmetology II	08862	13025300	AHS	3
		Interpersonal Studies	08905	13024400	AHS/CHS	.5
	LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY	Business Information Management I	08826	13011400	AHS/CHS	1
		Principles of Law, Public Safety, Corrections and Security	08873	13029200	AHS/CHS	1
		Law Enforcement I	08874	13029300	AHS/CHS	1
		Law Enforcement II	08875	13029400	AHS/CHS	1
		Court Systems and Practices	08876	13029600	AHS/CHS	1
		Correctional Services	08877	13029700	AHS/CHS	1
		Security Services	08926	13029800	AHS/CHS	1
		ROTC I, II, III, IV	PE cr-04910; 09161; 09263; 09265; 09367	PES00004; 03160100; 03160200; 03160300; 03160400	AHS/CHS	1 each

Abilene ISD Sample **EDUCATION & TRAINING** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
____STEM
____Business and Industry
____Arts and Humanities
__X__Public Services
____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Graduation Plan--Foundation + Endorsement

Discipline	Credits	____Distinguished Level of Achievement with Performance Acknowledgment	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	4*		
Science	4*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	7		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as their 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2		Algebra I	Geometry	Algebra II or Career and Technical Math	PreCalculus or Statistics or Advanced Math	Calculus/ Dual Credit Math/Advanced Math or Elective
3			Biology	Chemistry	Physics	Advanced Placement/Dual Credit/Career and Tech Science
4		Business Information Management	World History	U. S. History	Government and Economics	Endorsement Elective
5		Fine Art	Principles of Education & Training/Prin. Of Human Services or Hospitality & Tourism	Child Development/ Interpersonal Studies/Lifetime Nutrition & Wellness	Instructional Practices in Education and Training/ Child Guidance	Practicum in Education and Training/ Child Guidance
6			P.E./Athletics/ROTC	Fine Arts/Athletics / Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD **GOVERNMENT AND PUBLIC ADMINISTRATION** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
____STEM
____Business and Industry
____Arts and Humanities
__X__Public Services
____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Graduation Plan--Foundation + Endorsement

Discipline	Credits	____Distinguished Level of Achievement with Performance Acknowledgment	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	4*		
Science	4*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	7		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as their 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or Equivalent
2			Algebra I	Geometry	Algebra II or CTE Math	Advanced Placement/Dual Credit/Career and Tech Math or Elective
3		Business Information Management	Biology	IPC or Chemistry	Chemistry or Physics/CTE Science Elective	Advanced Placement/Dual Credit/Career and Tech Science
4			World History	U. S. History	Government and Economics	Dual Credit Political Science/Dual Credit Political Science (Electives)
5			Fine Art	Endorsement Elective	Endorsement Elective	Endorsement Elective
6			P.E./Athletics/ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Speech and Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD **HEALTH SCIENCE** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. . Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
____STEM
____Business and Industry
____Arts and Humanities
__X__Public Services
____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Graduation Plan--Foundation + Endorsement

Discipline	Credits	____Distinguished Level of Achievement with Performance Acknowledgment	
English	4	(Include Algebra II in mathematics)	And, outstanding performance:
Math	4*		___in a dual credit course
Science	4*	Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	___in bilingualism and bi-literacy
Social Studies	3		___on an AP test or IB exam
Foreign Language	2		___on the PSAT, the ACT-PLAN, the SAT, or the ACT
Fine Arts	1		___for earning a nationally or internationally recognized business or industry certification or license
Physical Education	1		
Electives	7		
Total Credits Required for Graduation:	**26***		

Certifications Available: First Aid; CPR-AHA Healthcare Provider; CPR-AHA Heartsaver (Adult); CPR—Adult & PBLS; Certified Nurse Aide (CNA); CPR-AHA Healthcare Provider; Registered Dental Assistant (RDA); 2 Medical Assistant – Clinical Medical Assistant and Medical Administrative Assistant

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as their 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent Course
2		Algebra I	Geometry	Algebra II	PreCalculus	Calculus
3			Biology	Chemistry	Physics	Anatomy and Physiology/Advanced Placement/Dual Credit/Career and Tech Science
4		Fine Art	World History	U. S. History	Government and Economics	Practicum in Health Science: Dental Assistant, Medical Assistant or Pharmacy Technician
5		Business Information Management	Medical Terminology	Principles of Health Science	Practicum in Health Science: Certified Nurse Assistant or Diversified Skills	Problems & Solutions-Research and Design
6			P.E./Athletics/ ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Medical Microbiology/Pathophysiology	Public Speaking and Endorsement Elective

Abilene ISD Sample **HUMAN SERVICES** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
____STEM
____Business and Industry
____Arts and Humanities
__X__Public Services
____(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Certification Available: Licensed Cosmetologist, Child Development Associate

Graduation Plan--Foundation + Endorsement

Discipline	Credits	____Distinguished Level of Achievement with Performance Acknowledgment	
English	4	(Include Algebra I II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	Any, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	4*		
Science	4*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	7		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as their 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2			Algebra I	Geometry	Algebra II or Career and Tech Math	Career and Tech/Dual Credit Math or Elective
3			Integrated Physics & Chemistry	Biology	Career & Tech Science/ Chemistry or Physics	Career and Tech Science/ Chemistry or Physics
4			World History	U. S. History	Government and Economics	Child Development/Dollars & Cents/Lifetime Nutrition & Wellness/Child Guidance/Cosmetology
5		Fine Art	Principles of Human Services/Introduction to Cosmetology	Child Development/Dollars & Cents/Lifetime Nutrition & Wellness/Child Guidance/Cosmetology	Child Development/Dollars & Cents/Lifetime Nutrition & Wellness/Child Guidance/Cosmetology	Endorsement Elective
6		Business Information Management	P.E./Athletics/ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Public Speaking and Endorsement Elective

Abilene ISD Sample **LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___
School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
___STEM
___Business and Industry
___Arts and Humanities
__X__Public Services
___(*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four Year College
___Employment
___Military
___ Other

Certifications Available: CERT (Certified Emergency Response Team); NAED (National Association of Emergency Dispatch); Certification reflecting 77 hours toward TDCJ (Texas Department of Criminal Justice); CPR, First Aid

Graduation Plan--Foundation + Endorsement			
Discipline	**Credits**	**____Distinguished Level of Achievement with Performance Acknowledgment**	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	Any, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	4*		
Science	4*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	7		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as their 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
1			English I	English II	English III	English IV or equivalent course
2			Algebra I	Geometry	Algebra II or Career and Tech Math	Career and Tech/Dual Credit Math or Elective
3			Integrated Physics & Chemistry	Biology	Career & Tech Science/Chemistry or Physics	Career and Tech Science/Chemistry or Physics
4			World History	U. S. History	Government and Economics	Court Systems & Practices
5		Fine Art	Principles of Law, Public Safety, Corrections & Security/ROTC	Law Enforcement I/ROTC	Law Enforcement II/ Correctional Services/ Security Services/ROTC	Law Enforcement II/ Correctional Services/ Security Services/ROTC
6		Business Information Management	P.E./Athletics/ROTC	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective	Fine Arts/Athletics/ Endorsement Elective
7			Foreign Language I	Foreign Language II	Endorsement Elective	Dual Credit Public Speaking and Dual Credit Endorsement Elective

Postsecondary Options in Education & Training:

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Child Care and Parenting Child Development	Child Development and Family Relations Early Childhood Education Elementary Education Secondary Education Social Work Human Services	Child Care License Child Development Associate Educational Aide Certificate, Level I Educational Aide Certificate, Level II Teacher Certification

Postsecondary Options in Health Sciences:

Community College or Associate Degree Programs	Four-Year University and Professional Degree Programs	Industry Certifications or Licensures
Dietetics Dental Hygiene Practical Nursing Orthodontic Technology Radiologic Technology Medical Sonography Medical Coding Medical Office Administration Medical Transcription Emergency Medical Technology Dental Lab Technology	Biomedical Engineering Environmental Health Nursing Pharmacy Occupational Therapy Veterinary Medicine Medical Doctor Surgeon Pharmaceutical Science Clinical Laboratory Science Exercise Physiology Healthcare Administration Dentist Optometrist Physical Therapy Medical Technology	Certified Nurse Aide (CNA) First Aid/CPR Emergency Medical Technician Pharmacy Technician Certified Coding Associate (CCA) Dental Assistant Dental Radiographer Emergency Medical Services Information Operator/Emergency Medical Dispatcher (EMD) Licensed Vocational Nurse Phlebotomy Technician

Postsecondary Options in Human Services:

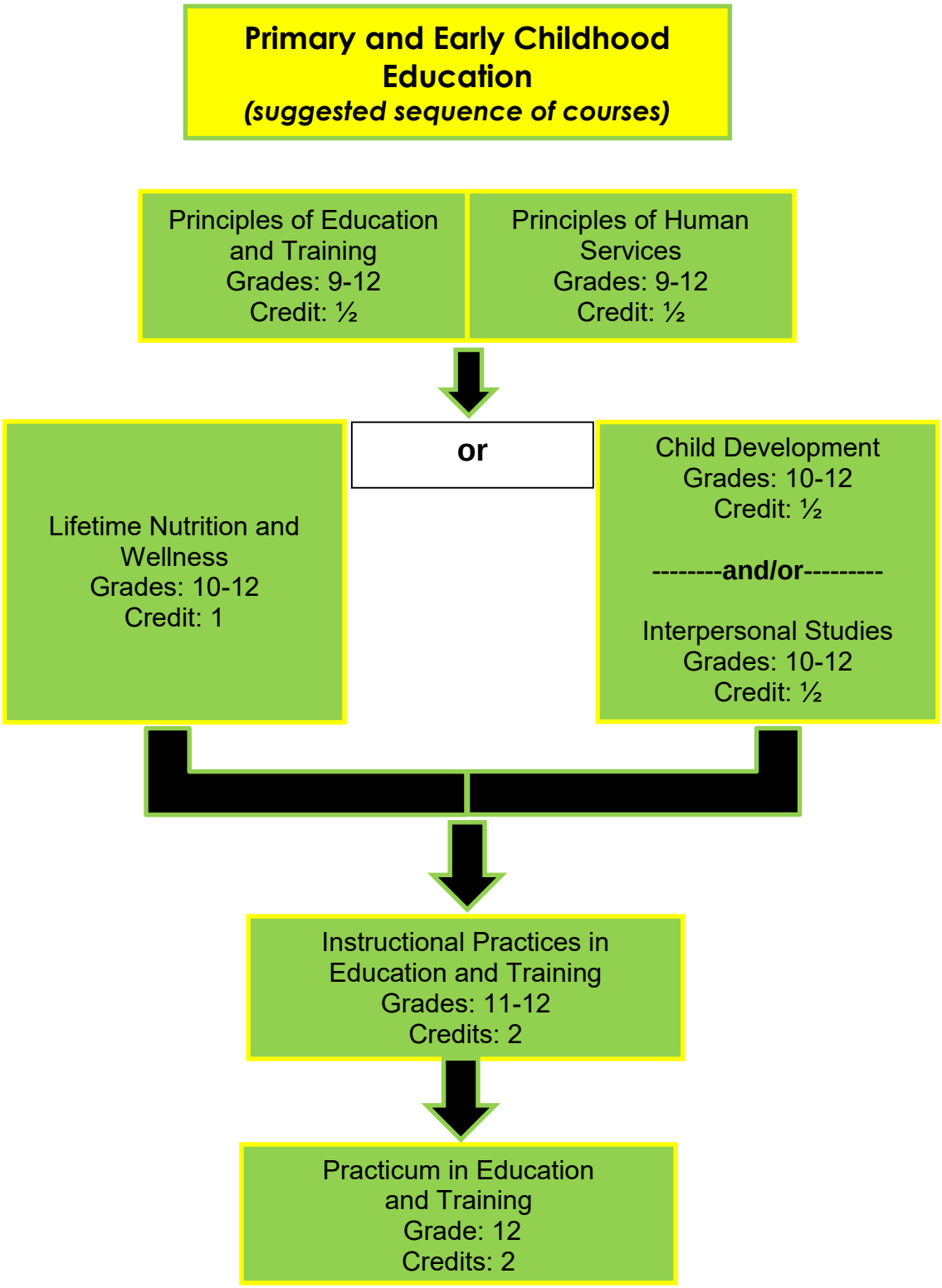
Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Child Care and Parenting Child Development Cosmetology Instructor Cosmetologist	Child Development and Family Relations Early Childhood Education Elementary Education Social Work Human Services	Child Care License Child Development Associate Educational Aide Certificate, Level I Educational Aide Certificate, Level II Cosmetologist Manicure Specialist Shampoo and Conditioning Specialist

Postsecondary Options in Law, Public Safety, Corrections & Security:

Community College or Associate Degree Programs	Four-Year College or University Degree Programs	Industry Certifications or Licensures
Criminal Justice Technology Law Enforcement Technology	Criminal Justice Law Enforcement Administration Forensic Technology Law Enforcement/Police Science Criminology Fire Protection and Safety Technology	Alarm System Installer License Certified Corrections Officer Basic County Corrections Officer Law Enforcement License Security Officer

Education and Training

TEACHING, THEY SAY, IS THE PROFESSION THAT MAKES ALL OTHER PROFESSIONS POSSIBLE. The people who work in Education & Training instill the knowledge and skills everyone, from preschoolers to adult learners, needs to succeed. These caring, capable, and committed professionals help prepare their students for the many rewards and challenge that personal, professional, and civic life brings. If you yearn to learn, feel a calling to teach, or would like to work in a favorite subject area, then Education & Training could be the right career cluster for you.



Education and Training

Principles of Education and Training (PRINEDTR)	
Course #: 08833	***Credits: ½***
PEIMS #: 13014200	***Grades: 9-12***
Principles of Education and Training is designed to introduce learners to the various careers available within the education and training career cluster. Students use self-knowledge and educational and career information to analyze various careers within the education and training career cluster. Students will also gain an understanding of the basic knowledge and skills essential to careers within the education and training career cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.	
Prerequisites: None	

Child Development (CHILDDEV)	
Course #: 08857	***Credits: ½***
PEIMS #: 13024700	***Grades: 10-12***
This technical laboratory course addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills, Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.	
Prerequisites: None	

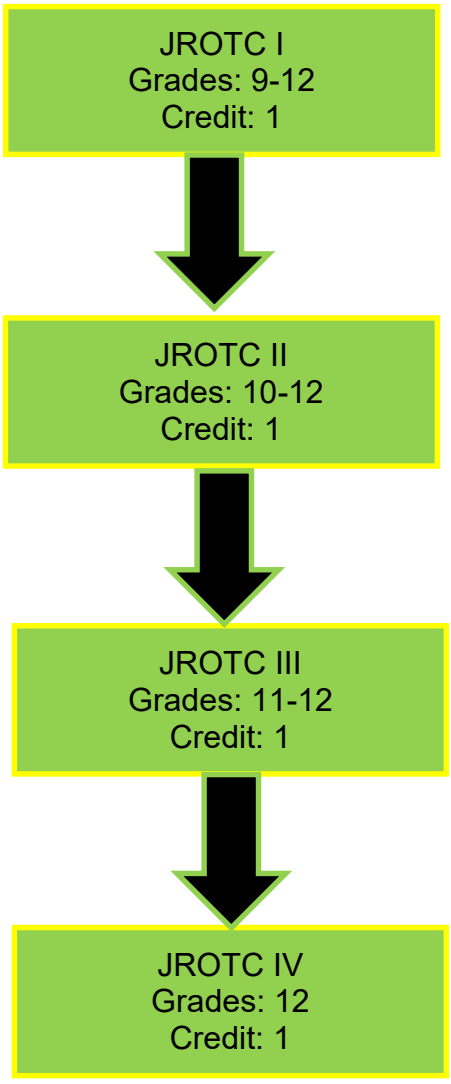
Instructional Practices in Education and Training (INPREDTR)	
Course #: 08835	***Credits: 2***
PEIMS #: 13014400	***Grades: 11-12***
This course is a field-based internship which provides students background knowledge of child and adolescent development principles as well as principles of effective teaching practices. Class time is divided between classroom instruction on a high school campus and lab training in an AISD elementary classroom. Students gain practical experiences as teacher aides by planning, preparing, and presenting activities to elementary students while assisting the elementary classroom teacher.	
Prerequisites: Principles of Education & Training recommended	

Practicum in Education and Training (PRACEDTR)	
Course #: 08836	***Credits: 2***
PEIMS #: 13014500	***Grades: 12***
This second-year course is a continuation of Instructional Practices in Education and Training and extends training for teacher aides at the elementary level. The student will serve as a teacher's aide in various programs in the AISD including pre-kindergarten, deaf education, art, music, speech pathology, and other special programs.	
Prerequisites: Instructional Practices in Education and Training recommended	

Government and Public Administration

Individuals who choose a career in the military are committed to maintaining a strong national defense. Responsibilities within the military services involve a wide range of activities—from running a hospital to commanding a tank; from programming computers to operating a nuclear reactor; from repairing and maintaining helicopters to preparing and serving meals to hundreds of military personnel. Enlisted personnel comprise 85% of the Armed Forces and carry out the fundamental operations of the military in such areas as combat, administration, construction, engineering, health care, and human services.

Military Science



Military Science/JROTC

AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORPS (AFJROTC)

General Qualifications:

- Cadets must be able to perform physical training/exercise to include up to a mile and half run, push-ups and sit ups.
- Cadets are required to comply with AFJROTC grooming standards (hair/shave/makeup) and be of good moral character.
- Air Force issued uniforms will be worn once a week and at other times as directed.
- Activity fee required.

Program Benefits:

- Cadets will be taught life skills, discipline, citizenship, how to lead people and manage resources
- Cadets are provided books and uniforms at no cost.
- Cadets do not incur military service obligations.
- Students may take AFJROTC in lieu of Physical Education.
- Cadets can participate in extracurricular activities: Drill Teams, Rocket Teams, PT Teams, etc.
- Cadets who successfully complete the AFJROTC program and enlist in one of the military services may begin their military career at higher rank and pay grade. (Subject to change and as directed by each military service.)
- Senior ROTC scholarships are available for qualified applicants.
- Nominations to service academies are available for qualifying students.

Program Components:

The Air Force Junior Reserve Officer Training Corps (AFJROTC) course of study consists of three (3) major program components which are taught over four years. The curriculum is instrumental in developing citizens of character dedicated to serving our nation and communities:

1. **Leadership Education (LE):** Leadership Education courses are focused on AFJROTC mission, standards, drill, and discipline. This includes, but is not limited to courses of instruction in: Citizenship, customs and courtesies; Effective communication and leadership skills; introduction to career opportunities/life skills and tools for success after high school whether that be in college, civilian or military careers; importance of managers, management, and characteristics of what it takes to be a good leader.

2. **Aerospace Science (AS):** Aerospace Science is a broad area of study introducing cadets to patriotism, national security, fundamentals of aerodynamics, rocketry, space/astronomy, aerospace history, and people, governments and cultures. The senior cadets also learn how to manage the cadet corps. Cadets are encouraged to complete high school, pursue higher educational goals and skills, and even consider the Air Force or other military service as a possible career path.

3. **Wellness and Fitness (PT):** Wellness is an official and integral part of the AFJROTC program which consists of exercise programs focused upon individual base line improvements with the goal of achieving a national standard as calculated by age and gender. The Wellness curriculum is instrumental in developing citizens of character dedicated to serving our nation and communities.

Air Force Junior Reserve Officers Training Corps I (SUBJ1)/(ROTC1)	
Course #: 04910 (PE credit)	***Credits: 1***
Course #: 09161	***Credits: 1***
PEIMS #: PES00004 (PE credit)	***Grades: 9-12***
PEIMS #: 03160100	***Grades: 9-12***
AFJROTC I consists of: (1) Leadership Education which introduces cadets to the AFJROTC mission, objectives, dress and appearance, drill and ceremony, discipline, respect, values, and ethics. (2) Aerospace Science which explores the development of flight throughout the centuries. (3) Wellness which focuses on physical fitness through exercise and team building. This course satisfies the state Physical Education credit requirement if the student has not already satisfied this credit.	
Prerequisites: None	

Air Force Junior Reserve Officers Training Corps II (ROTC 2)	
Course #: 09263	***Credits: 1***
PEIMS #: 03160200	***Grades: 9-12***
AFJROTC II consists of: (1)Leadership Education which stresses communication skills, personal awareness, and group/team dynamics. (2) Aerospace Science offers either Science of Flight, which focuses on how airplanes fly, weather, how flight affects the human body, and flight and land navigation or An Introduction to Global Awareness which delves into the history, religion, languages, economics, social issues, environmental concerns and human rights of countries around the globe. (3) Wellness focuses on physical fitness through exercise and team building.	
Prerequisites: None	

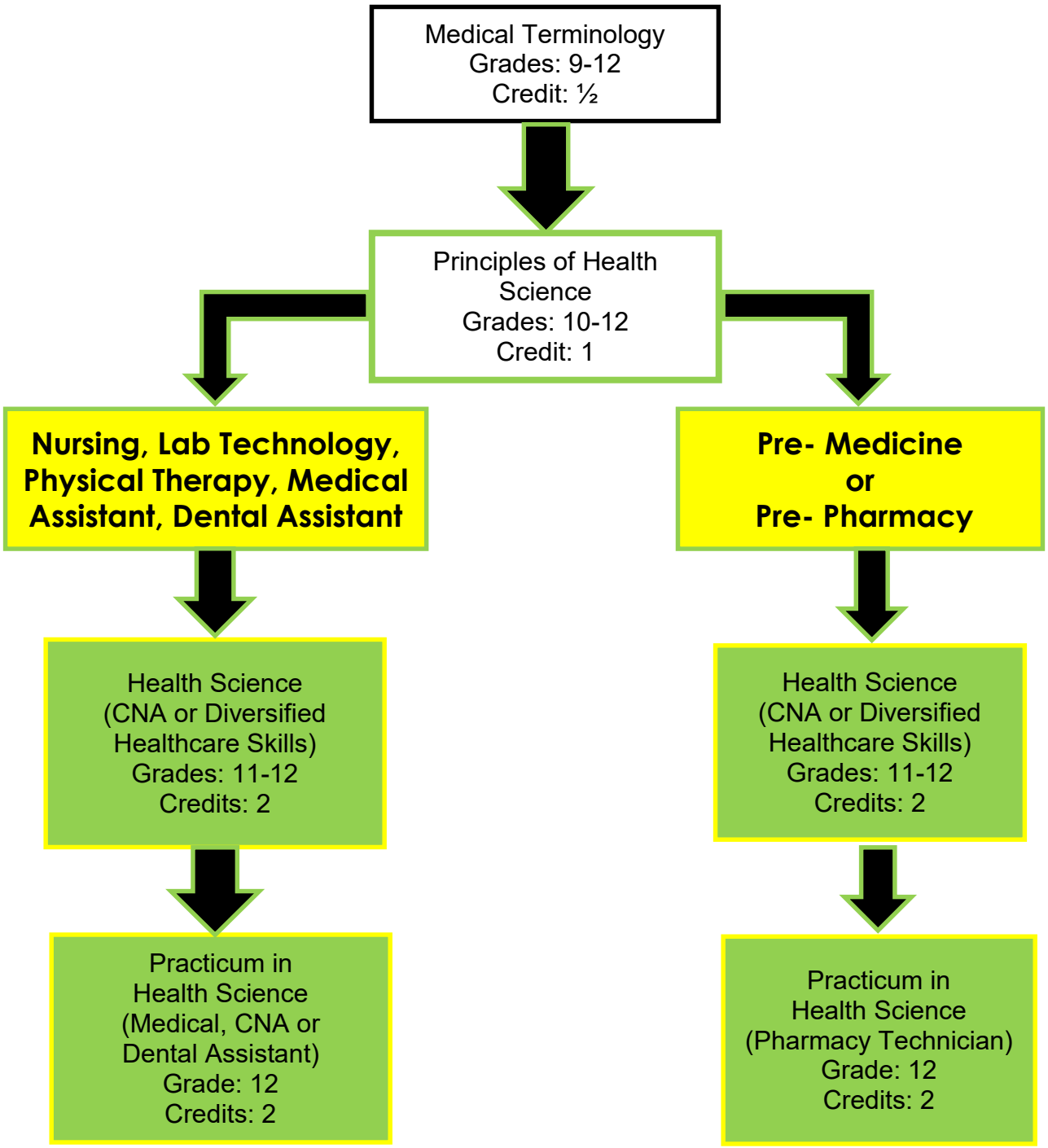
Air Force Junior Reserve Officers Training Corps III (ROTC 3)	
Course #: 09265	***Credits: 1***
PEIMS #: 03160300	***Grades: 9-12***
AFJROTC III consists of: (1) Leadership Education which helps students plan for life after high school – college, finding a job, and financial planning are a few of the topics covered. (2) Aerospace Science studies the space environment, manned space flight and exploration, and the latest advances in space technology (3) Wellness focuses on physical fitness through exercise and team building.	
Prerequisites: None	

Air Force Junior Reserve Officers Training Corps IV (ROTC 4)	
Course #: 09367	***Credits: 1***
PEIMS #: 03160400	***Grade 12***
AFJROTC consists of: (1) Leadership Education which provides exposure to fundamentals of leadership and management. (2) Aerospace Science which explores Policy and Organization pertaining to the military services and the United States National Security Strategy. (3) Wellness focuses on physical fitness through exercise and team building. Senior cadets are responsible for the leadership and operation of the Corps.	
Prerequisites: Senior or graduating junior; ROTC I, II, or III or interview.	

For more information on the JROTC Program, please contact the Air Force JROTC instructors at either Abilene High or Cooper High Schools.

Health Science

Careers in Health Sciences involve the promotion and maintenance of good health and the prevention and treatment of disease as well as providing diagnostic, therapeutic, and environmental services in the medical, dental, surgical, and related health care industries. If you would like to help other people live active, healthy lives, help them recover from illness or injury, or help people cope with ongoing illness, this career area will be of great interest to you. Careers in the health field require specialized training and certifications or licenses in the occupation. There is a big demand for qualified workers in all health-related careers.



Health Science

Most of the following Health Science courses are offered at **Holland Medical High School** located on the campus of Hardin-Simmons University. Holland is open to all AISD students in the 11th or 12th grade who have completed the required prerequisites at their home campus. Students interested in attending Med High should talk to their school counselor or the Health Science teacher at their school. See page 31 for more information on **Holland Medical High School**.

Principles of Health Science (PRINHLSC)

Option for Dual Credit

Course #: 08841 — ***Credits: 1***

PEIMS #: 13020200 — ***Grades: 10-12***

This course is an overview of the various systems in the health care industry. Examples of topics covered in this course include: careers in health care, personal qualities of health care professionals, and legal and ethical issues in health care. The students will also be given instruction in basic anatomy and physiology topics. In addition, the student will be instructed in various health care skills such as taking vital signs, body mechanics, infection control, and CPR/First Aid. This course is a prerequisite for courses at Holland Medical High School, is available at Abilene High and Cooper High, but cannot be entered at mid-term.

Prerequisites: Medical Terminology; and Biology or concurrent enrollment recommended

Medical Terminology (MEDTERM)

Option for Dual Credit

Course #: 08842 — ***Credits: ½***

PEIMS #: 13020300 — ***Grades: 9-12***

As an introduction to medical terms, this course is designed to give students a basic vocabulary and understanding of the language of medicine. Students will learn how to define medical terms by breaking the words down into the components such as prefixes, suffixes, and word roots. Students will also be introduced to basic medical charting and abbreviations. The topics in this course are designed to assist students in future courses related to health science. This course is available at Abilene High and Cooper High

Prerequisites: None

Health Science – Certified Nurse Aide (HLTHSCI)

Course #: 08843 — ***Credits: 2***

PEIMS #: 13020400 — ***Grades: 11-12 (must be 16 by Nov 1)***

A course designed to provide for the development of multi-occupational knowledge and skills related to a wide variety of health careers. Students will have hands-on experiences for continued knowledge and skills development. During the fall semester students will participate in a Texas Department of Health approved Nurse's Aide certification program. During the spring semester students will participate in clinical rotations at participating local health care facilities. This course cannot be entered at mid-term. **This course is only available at Holland Medical High.**

Prerequisites: Principles of Health Science and Biology

Health Science – Diversified Healthcare Skills (HLTHSCI)

Course #: 08844 — ***Credits: 2***

PEIMS #: 13020400 — ***Grades: 11-12***

This Health Science course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will have hands-on experiences for continued knowledge and skill development. At the completion of this course students will engage in an unpaid work-based experience. This course prepares the student for transition into further training or work-based experience in healthcare. This course cannot be entered at mid-term. **This course is only available at Holland Medical High.**

Prerequisites: Principles of Health Science and Biology

Practicum in Health Science – Medical Assistant (PRACHLSC)

Course #: 08845 — ***Credits: 2***

PEIMS #: 13020500 — ***Grade: 12***

This practicum is designed to provide the knowledge and skills for students to obtain national-approved medical assistant certifications. In the fall, students are offered a certification as a Certified Clinical Medical Assistant and, in the spring, a Certified Medical Administrative Assistant. This course consists of learning skills such as patient history and assessment, minor office procedures, phlebotomy, EKG, specimen collection and front-office admission skills. Students will do clinicals at the hospital and physician offices. This course cannot be entered at midterm. **This course is only available at Holland Medical High.**

Prerequisites: Principles of Health Science, Health Science, and Biology

Practicum in Health Science – Pharmacy Technician (PRACHLSC)

Course #: 08846 — ***Credits: 2***

PEIMS #: 13020500 — ***Grade: 12***

This practicum is designed to give students the knowledge and skills to complete the national certification test for Pharmacy Technician. The practicum course provides an unpaid capstone experience for students participating in the health science coherent sequence. **This course is only available at Holland Medical High.**

Prerequisites: Principles of Health Science required, Health Science and Chemistry recommended

Practicum in Health Science – Dental Assistant (PRACHLSC)

Course #: 08922 ***Credits: 2***

PEIMS #: 13020500 ***Grade: 12***

This practicum is designed to give students the knowledge and skills to complete the state certification test for Registered Dental Assistant. Students will have the opportunity to complete up to three of the certifications recognized in the state certification test. This practicum provides an unpaid internship in a dental office. **This course is only available at Holland Medical High.**

Prerequisites: Principles of Health Science

Practicum in Health Science – Certified Nurse Aide (PRACHLSC)

Course #: 08916 ***Credits: 2***

PEIMS #: 13020500 ***Grades: 12***

A course designed to provide for the development of multi-occupational knowledge and skills related to a wide variety of health careers. Students will have hands-on experiences for continued knowledge and skills development. During the fall semester students will participate in a Texas Department of Health approved Nurse's Aide certification program. During the spring semester students will participate in clinical rotations at participating local health care facilities. This course cannot be entered at mid-term. **This course is only available at Holland Medical High.**

Prerequisites: Principles of Health Science, Biology, and Health Science-Diversified Healthcare Skills

Anatomy and Physiology (ANATPHYS)

Course #: 08847 ***Credits: 1***

PEIMS #: 13020600 ***Grades: 11-12***

This course introduces a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Students conduct laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem-solving. Note: This course can count as the fourth year of science for graduation requirements for students entering 9th grade in 2007-2008.

Prerequisites: Biology and Chemistry recommended

Medical Microbiology (MICRO)

Course #: 08848 ***Credits: ½ Science credit***

PEIMS #: 13020700 ***Grades: 11-12***

Students in Medical Microbiology explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Note: This course, coupled with Pathophysiology, can count as the fourth year of science for graduation requirements **This course is only available at Holland Medical High.**

Prerequisites: Biology and Chemistry (may be taken concurrently)

Pathophysiology (PATHO)

Option for Dual Credit

Course #: 08849 ***Credits: ½ Science credit***

PEIMS #: 13020800 ***Grades: 11-12***

In Pathophysiology, students conduct laboratory and field investigations, using scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology study disease processes and how humans are affected. An emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. Note: This course, coupled with Medical Microbiology, can count as the fourth year of science for graduation requirements. **This course is only available at Holland Medical High.**

Prerequisites: Biology, Chemistry, Medical Microbiology; Anatomy and Physiology highly recommended

Problems & Solutions – Phlebotomy (PROBS1)

Course #: 08950 ***Credits: ½***

PEIMS #: 12701500 ***Grade: 12***

Phlebotomy is an independent study course taught on the campus of TSTC, offered as a continuing education credit. This course usually meets three nights a week during the spring semester. Phlebotomy provides a general overview of techniques, procedures and issues pertaining to the proper collection of blood specimens for routine clinical laboratory testing in order to develop well-trained, proficient and professional phlebotomists. Students will learn proper patient contact and procedures; phlebotomy techniques, procedures and equipment; the anatomy and physiology of the circulatory system; and laboratory organization and measurement. Training includes 84 hours of classroom instruction and clinical hours determined by the successful completion of 100 combined vein puncture and finger/heel sticks. **This course is only available at Holland Medical High.**

Prerequisites: Principles of Health Science

Problems & Solutions – Research and Design (PROBS1)

Course #: 08952 ***Credits: 1***

PEIMS #: 12701500 ***Grade: 12***

This independent study course is a project-based learning experience developed by a student or group of students and an interdisciplinary mentor team. The project provides opportunities for an in-depth study of at least one aspect of the healthcare industry. The student or group demonstrates the ability to utilize a variety of resources, advanced technology, and communication skills in the development and presentation of the project. This course meets one of the advanced measures of the Distinguished Achievement plan for graduation. **This course is only available at Holland Medical High.**

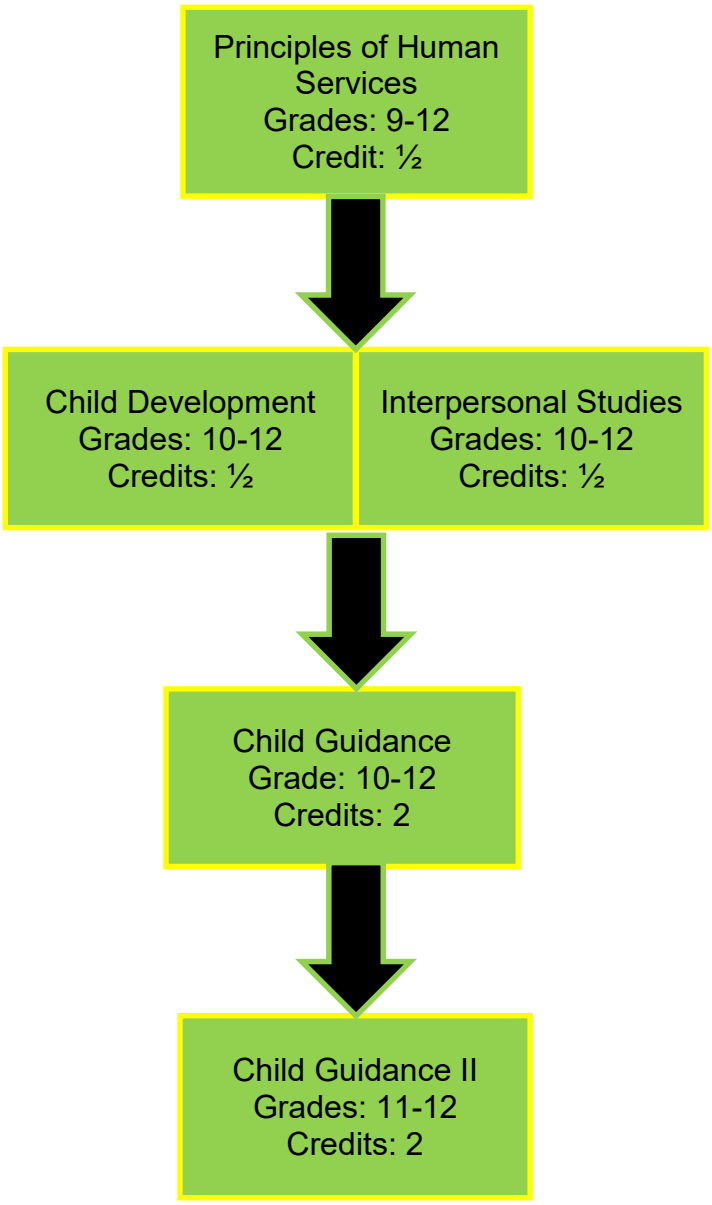
Prerequisites: Principles of Health Science, Health Science

Human Services

It takes a special person to work in Human Services. Although many jobs in the cluster pay well, those who choose Human Services generally don't do it for the money. Instead, they are motivated by the desire to assist others. Psychologists, therapists, counselors, social workers, health aides, cosmetologists, financial planners, clergy members, and others tend to the physical, mental, and spiritual needs of people in their hometowns. They offer helping hands to everyone from babies in child-care centers to seniors in long-term care facilities. The work is sometimes challenging, but the reward of knowing that you improved someone's life is immense. If you feel a calling to serve your fellow men and women, feel comfortable caring for people, or want to improve your community, then Human Services could be the right career cluster for you.

Cosmetology

Child Care Guidance and Management
(suggested sequence of courses)



Human Services

Principles of Human Services (PRINHUSR)

Course #: 08854 ***Credits: ½***

PEIMS #: 13024200 ***Grades: 9-12***

This laboratory 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. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Prerequisites: None

Dollars and Sense (DOLLARSE)

Course #: 08855 ***Credits: ½***

PEIMS #: 13024300 ***Grades: 10-12***

Dollars and Sense focuses on consumer practices and responsibilities, the money management process, decision-making skills, impact of technology, and preparation for human services careers. Students are encouraged to participate in career and technical student organizations and other leadership organizations

Prerequisites: None

Interpersonal Studies (INTERSTU)

Course #: 08905 ***Credits: ½***

PEIMS #: 13024400 ***Grades: 10-12***

The course examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Prerequisites: Principles of Human Services recommended

Lifetime Nutrition and Wellness (LNURTWEL)

Course #: 08856 ***Credits: 1***

PEIMS #: 13024500 ***Grades: 10-12***

This laboratory course allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. This course cannot be entered at mid-term.

Prerequisites: Principles of Human Services or Principles of Hospitality and Tourism or Principles of Education and Training recommended

Child Development (CHILDDEV)

Course #: 08857 ***Credits: ½***

PEIMS #: 13024700 ***Grades: 10-12***

This technical laboratory course addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills, Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Prerequisites: None

Child Guidance I (CHILDGUI)

Course #: 08858 ***Credits: 2***

PEIMS #: 13024800 ***Grades: 10-12***

This course is designed to allow students an opportunity to develop the occupational skills necessary for teaching young children. The student will serve as a teacher's assistant in Abilene daycare centers. During the first semester students will receive classroom instruction on planning, preparing, and presenting activities to pre-school children and will study the various stages of child development. During the second semester students will be assigned to an area day care facility and will receive practical experiences in teaching and attending young children. Students will begin compiling documentation for the Child Development Associate certification.

Prerequisites: Principles of Human Services and Child Development recommended

Child Guidance II (PRACHUSR)

Course #: 08859 ***Credits: 2***

PEIMS #: 13025000 ***Grades: 11-12***

During this second-year course the students continue training in local daycare centers. Classroom instruction will prepare students for the Child Development Associate certification exam.

Prerequisites: Child Guidance I

Introduction to Cosmetology (INTCOSMO)

Course #: 08860 ***Credits: 1***

PEIMS #: 13025100 ***Grades: 10***

Students explore areas such as bacteriology, sterilization and sanitation, hair styling, basic manicuring, scalp and hair conditionings, and basic facials. The student researches careers in the personal care services industry. To prepare for success, students must have skills relative to this industry, as well as academic knowledge and skills. Students may begin to earn clock hours toward state licensing requirements. **This course is offered on the Abilene High campus but is open to all AISD students.**

Prerequisites: Principles of Human Services recommended

Cosmetology I (COSMET1)	
Course #: 08861	***Credits: 3***
PEIMS #: 13025200	***Grades: 11-12***
Students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization, sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Analysis of career opportunities, requirements, expectations, and development of workplace skills are included. **This course is offered on the Abilene High campus but is open to all AISD students.**	
Prerequisites: Introduction to Cosmetology recommended	

Cosmetology II (COSMET2)	
Course #: 08862	***Credits: 3***
PEIMS #:13025300	***Grades: 12***
Students review academic knowledge and skills related to cosmetology. This course is designed to provide advanced training for employment in cosmetology careers. Instruction includes advanced training in sterilization and sanitation processes, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Students apply, combine, and justify knowledge and skills to a variety of settings and problems. **This course is offered on the Abilene High campus but is open to all AISD students.**	
Prerequisites: Cosmetology I	

Law, Public Safety, Corrections and Security

SIRENS SCREAM. BOMBS EXPLODE. BULLETS FLY. This is the image that many people have of careers in Law, Public Safety, Corrections & Security. The truth is that those things do happen occasionally, but mostly careers in this cluster don't involve constant danger. Instead, they concern the important daily duties of protection and serving the public. What folks in these careers crave is the peace and quiet…..that means that people and property are safe. As homeland security has become more and more of a concern, demand for people to protect sites as varied as skyscrapers and seaports, airports and reservoirs, and nuclear power plants and military bases has skyrocketed. If you have a calling to serve others, can keep a cool head under pressure, or love the law, then a career in Law, Public Safety, Corrections & Security could be the right decision for you.

Law Enforcement

Principles of Law, Public Safety, Corrections and Security
Grades: 9-12
Credit: 1

Law Enforcement I
Grades: 10-12
Credit: 1

Security Services
Grades: 11-12
Credit: 1
----------**or**----------
Court Systems and Practices
Grades: 11-12
Credit: 1

Correctional Services
Grades: 11-12
Credit: 1

Law Enforcement II
Grades: 11-12
Credit: 1

Law, Public Safety, Corrections, and Security

Principles of Law, Public Safety, Corrections, and Security (PRINLPCS)

Course #: 08873 ***Credits: 1***

PEIMS #: 13029200 ***Grades: 9-12***

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

Prerequisites: None

Law Enforcement I (LAWENF1)

Course #: 08874 ***Credits: 1***

PEIMS #: 13029300 ***Grades: 10-12***

Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime. This course cannot be entered at mid-term.

Prerequisites: Principles of Law, Public Safety, Corrections, and Security recommended

Law Enforcement II (LAWENF2)

Course #: 08875 ***Credits: 1***

PEIMS #: 13029400 ***Grades: 11-12***

Law Enforcement II 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. Students will have the opportunity to complete certification in National Association of Emergency Dispatchers. This course cannot be entered at mid-term.

Prerequisites: Law Enforcement I recommended

Court Systems and Practices (COURTSP)

Course #: 08876 ***Credits: 1***

PEIMS #: 13029600 ***Grades: 11-12***

Court Systems and Practices is an overview of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation. This course cannot be entered at mid-term.

Prerequisites: Law Enforcement I recommended

Correctional Services (CORRSRVS)

Course #: 08877 ***Credits: 1***

PEIMS #: 13029700 ***Grades: 11-12***

In Correctional Services, students prepare for certification required for employment as a correctional officer. The student will learn the role and responsibilities of a correctional officer; discuss relevant rules, regulations and laws; and discuss defensive tactics, restraint techniques, and first aid procedures as used in the correctional setting. The student will analyze rehabilitation and alternatives to institutionalization. This course cannot be entered at mid-term.

Prerequisites: Law Enforcement I recommended

Security Services (SECSRVS)

Course #: 08926 ***Credits: 1***

PEIMS #: 13029800 ***Grades: 11-12***

Security Services provides the knowledge and skills necessary to prepare for certification in security services. The course provides an overview of security elements and types of organizations with a focus on security measures used to protect lives, property, and proprietary information. This course cannot be entered at mid-term.

Prerequisites: Law Enforcement I recommended

Arts and Humanities Endorsement

Subject to State Board of Education approval and updates:

A student may earn an Arts and Humanities Endorsement by completing the following requirements:

1. five Social Studies courses; or
2. four levels of the same language in a language other than English; or
3. two levels of the same language in a language other than English and two levels of a different language in a language other than English; or
4. four levels of American Sign Language; or
5. a coherent sequence of four credits by selecting courses from one or two categories or disciplines in fine arts.
6. four English elective credits by selecting from the following:
    - English IV
    - Independent Study in English
    - Literary Genres
    - Creative Writing
    - Research and Technical Writing
    - Advanced Placement English Literature and Composition; or
    - International Baccalaureate Language Students A1 Higher Level; or
    - Communications Applications

ARTS & HUMANITIES	ARTS AND HUMANITIES	Business Information Management I	08826	13011400	AHS/CHS	1
		Art I	02111; Preap-02113	3500100	AHS/CHS/ ATEMS	1
		Art II, III--Drawing	02213; 02325	03500500; 03501300	AHS/CHS/ ATEMS	1
		Art II, III--Sculpture	02224	03501000	AHS/CHS	1
		Art II, III-- Photography	02423	03502200	AHS/CHS	1
		AP History of Art	02314	A3500100	AHS/CHS	1
		Band I, II, III, IV	PE cr-04911; 02552	PES00012; 03150400	AHS/CHS	1
		Jazz Band	02557	03151600	AHS/CHS	1
		Steel Drum Band	02556	03152000	AHS	1
		Theatre Arts I, II, III, IV	02231; 02331; 02431; 02433	03250100; 03250200; 03250300; 03250400	AHS/CHS	1
		Choir I, II, III, IV	02560	03151200	AHS/CHS	1
		Vocal Ensemble	02560	03152400	AHS/CHS	1
		Orchestra I, II, III, IV	02558	03150800	AHS/CHS	1
		Orchestra Ensemble	02666	03152000	AHS/CHS	1
		Technical Theatre I, II, III, IV	02241; 02341; 02441; 02541	03250500; 03250600; 03251100; 03251200	AHS/CHS	1
		Theatre Production I, II, III, IV	02381; 02383; 02385; 02387	03250700; 03250800; 03250900; 03251000	AHS/CHS	1
		Audio-Visual Production	09289	13008500	CHS	1
		Advanced Placement or Dual Credit Music Theory	02701	A3150200	AHS/CHS	1
		Advanced Placement or Dual Credit Art/Drawing	02301	A3500300	AHS/CHS	1
		Advanced Placement or Dual Credit Art 2D	02414	A3500400	AHS/CHS	1
		Advanced Placement or Dual Credit Art 3D	02514	A3500500	AHS/CHS	1

Abilene ISD Sample **ARTS & HUMANITIES** Six-to-Eight-Year Plan

Name:_____ ID #: _____ Check all that apply: ELL___ Sp.Ed.___ 504___ GT___ Foreign Exchange:___ Homeschool:___

School: _____ Grade: _____ Date Initiated: _____ Date(s) Amended: _____

The Six-to-Eight-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school and plan for college and careers. You will want to review the plan each year to make sure you are taking the required courses for graduation. Use this guide to help you select courses that support your career goals. Ensure that you are taking the academic courses that support your post-secondary plans.

Endorsement:
____STEM
____Business and Industry
__**X**__Arts and Humanities
____Public Services
____ (*Multidisciplinary Studies)*

My Post High School plans:
(Check as many as apply):
___Two-Year College
___Technical Training
___Four-Year College
___Employment
___Military
___Other

Graduation Plan--Foundation + Endorsement			
Discipline	**Credits**	**____Distinguished Level of Achievement with Performance Acknowledgment**	
English	4	(Include Algebra II in mathematics) Required in order to be eligible for the Top Ten Percent for Automatic Admission to Texas Public Colleges and Universities (Top Seven Percent for the University of Texas at Austin)	And, outstanding performance: ___in a dual credit course ___in bilingualism and bi-literacy ___on an AP test or IB exam ___on the PSAT, the ACT-PLAN, the SAT, or the ACT ___for earning a nationally or internationally recognized business or industry certification or license
Math	4*		
Science	4*		
Social Studies	3		
Foreign Language	2		
Fine Arts	1		
Physical Education	1		
Electives	7		
Total Credits Required for Graduation:	**26***		

Directions: Students need to select and take advanced coursework in their college and career-related disciplines. Students are strongly encouraged to take Pre-Advanced Placement, Advanced Placement, Dual Credit and Career and Technical Education courses.*Students may take an approved CTE course as their 4th Math and 3rd or 4th Science. Students must also successfully complete the STAAR EOC for Algebra I, Biology, U.S. History, English I and English II.

Periods:	**7th Grade**	**8th Grade**	**9th Grade**	**10th Grade**	**11th Grade**	**12th Grade**
1			English I	English II	English III	English IV or equivalent course
2		Algebra I	Geometry	Algebra II or Career and Technical Math	PreCalculus or Advanced Math	Calculus/Advanced Math or Elective
3			Biology	IPC or Chemistry	Chemistry or Physics/ CTE Science Elective	Advanced Placement/Dual Credit/Career and Tech Science
4		Art/Theatre Arts I	World Geography/ World History	U. S. History	Government and Economics	Advanced Placement/Dual Credit Fine Art/Audio-Visual/Communications Courses
5		Business Information Management	Art/Band/Theatre Arts/Choir/Orchestra / Journalism	Art/Band/Theatre Arts/Choir/Orchestra/ Technical Theatre/Theatre Production/Advanced Journalism/Debate/Oral Interpretation	Art/Band/Theatre Arts/Choir/Orchestra/Technical Theatre/Theatre Production/Debate/Oral Interpretation/AV Production	Art/Band/Theatre Arts/Choir/Orchestra/Technical Theatre/Theatre Production/ Debate/Oral Interpretation
6			P.E./Athletics/ROTC	Athletics/Endorsement Elective	Athletics/ Endorsement Elective	Athletics/Endorsement Elective
7			Foreign Language I	Foreign Language II	Dual Credit Public Speaking and Dual Credit Endorsement Elective	Advanced Placement/Dual Credit Music Theory/Fine Art/Audio-Visual/Communications Courses

Multidisciplinary Studies Endorsement

Subject to State Board of Education approval and updates:

A student may earn a Multidisciplinary Studies endorsement by completing the following requirements:

1. four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from one endorsement area or among endorsement areas that are not in a coherent sequence; or
2. four credits in each of four foundation subject areas (four English, four math, four science, four social studies) to include English IV and chemistry and/or physics; or
3. four credits in Advanced Placement courses or International Baccalaureate courses, or dual credit selected from English, mathematics, science, social studies, economics, languages other than English or fine arts.

Core Academic Courses

Economics

Economics with Emphasis on the Free Enterprise System and its Benefits (ECO-FE)	
Course #: 07361	***Credits: ½***
PEIMS #: 03310300	***Grades:11-12***
The focus in this course is on the basic principles concerning production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world. Students examine the rights and responsibilities of consumers and businesses. Students analyze the interaction of supply, demand, and price, and study the role of financial institutions in a free enterprise system.	
Prerequisites: None	

AP Macroeconomics (APMACECO)	
Course #: 07304	***Credits: ½***
PEIMS #: A3310200	***Grades: 11-12***
This course prepares students to take the College Board Macroeconomics AP Exam. This course is designed to give students a thorough knowledge and understanding of economic principles that apply to the economy as a whole. The course stresses the study of national income and price determination, economic performance measures, economic growth, and international economics. Students are expected to take the AP examination.	
Prerequisites: None	

English Language Arts and Reading

English I (ENG 1)

Course #: 01121 ***Credits: 1***

PEIMS #: 03220100 ***Grades: 9-12***

This course focuses on an integration of writing (grammatical concepts, usage, capitalization, punctuation, and spelling) with literature. It also focuses on reading improvement through drama, short story, poetry, novel, and epic. Students will learn literary forms and terms associated with selections read. Preparation for End of Course testing will be included.

Prerequisites: None

PreAP English I (ENG 1 PREAP)

Course #: 01101 ***Credits: 1***

PEIMS #: 03220100 ***Grades: 9-12***

Using the study of various literary genres as a base, emphasis is placed on critical thinking skills by discovering meaning in literature through language, imaging, characters, action, argument, strategies, and techniques used. Writing focuses on interpretation, analysis, and creativity. PreAP classes are a sequential program designed to lead to Advanced Placement credit. Preparation for End of Course testing will be included.

Prerequisites: Summer reading as required by teacher

English II (ENG 2)

Course #: 01221 ***Credits: 1***

PEIMS #: 03220200 ***Grades: 10-12***

This course includes an integrated program of writing and reading skills. The literature units will include poetry, novels, Shakespearean drama, and short stories. Students will write multi-paragraph compositions. Preparation for End of Course testing will be included.

Prerequisites: English I

PreAP English II (ENG 2 PREAP)

Course #: 01201 ***Credits: 1***

PEIMS #: 03220200 ***Grades: 10-12***

The PreAP English II course is a continuation of PreAP English I. Using world literature as a base, subject matter will be covered in greater depth, and analytical reasoning skills will be further developed. PreAP classes are a sequential program designed to lead to Advanced Placement college credit. Preparation for End of Course testing will be included.

Prerequisites: English I, summer reading as required by teacher

English III (ENG 3)

Course #: 01321 ***Credits: 1***

PEIMS #: 03220300 ***Grades: 11-12***

This course will emphasize a study of American literature, literary criticism, and techniques for writing the research paper along with other forms of communication. A focus on literary forms and terms will continue.

Prerequisites: English I and English II

AP English III (APENGLAN)

Course #: 01301 ***Credits: 1***

PEIMS #: A3220100 ***Grades: 11-12***

Advanced Placement English III, which emphasizes preparation for the AP English Language and Composition test, uses works in American literature to teach techniques of analysis, synthesis, and evaluation applicable to any written, spoken, or graphic English composition. In addition, a research project is required. Students are expected to take the AP Exam.

Prerequisites: English I and English II, summer reading as required by teacher

English IV (ENG 4)

Course #: 01421 ***Credits: 1***

PEIMS #: 03220400 ***Grade: 12***

This course is a survey of British literature and the development of the English language, which gives the college bound student a background in the history and culture of the English-speaking peoples. Reading, grammar, usage, mechanics, and composition skills are integrated into the literature units. Course research projects emphasize literary criticism.

Prerequisites: English I, English II and English III

AP English IV (APENGLIT)

Course #: 01405 ***Credits: 1***

PEIMS #: A3220200 ***Grade: 12***

The Advanced Placement English IV course is a college level course with emphasis placed on training students to become skilled readers and writers in diverse genres and modes of composition. Utilizing world literature as a base, the AP course will concentrate on individual interpretation and response. Students are expected to take the AP English Literature and Composition exam.

Prerequisites: English I, English II and English III, summer reading as required by teacher

Business English (BUSENGL)

Course #: 08908 ***Credits: 1***

PEIMS #: 13011600 ***Grade: 12***

This course is designed to prepare students for a rapidly evolving global business environment. Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Course requirements include planning, drafting, and completing written compositions on a regular basis; editing papers for clarity, language, and the correct use of written English; and producing error-free documents suitable for business.

Prerequisites: English III

Independent Study in English (IND ENG)

Course #: 01435 ***Credits: 1***
PEIMS #: 03221800 ***Grade: 12***

This course provides students an opportunity to do additional advanced work in English. Students will be given opportunities to conduct research, produce original works in print, develop an advanced communication-related skill, or do advanced study in a specific area of interest.

Prerequisites: English III, teacher approval and concurrent enrollment in English IV

Independent Study in English: Hebrew Scriptures (HEBSCEN)

Course #: 01161 ***Elective Credits: ½***
PEIMS #: 03221830 ***Grade: 9-12***

In this course students will study the characters, poetry, and narratives of the Hebrew Scriptures that are prerequisites to understanding the contributions and influence of the Bible on contemporary society and culture, including literature, art, music, mores, oratory, and public policy. The content of the course will not endorse, favor or promote any particular religion or non-religious faith or religious perspective. Offered first semester only.

Prerequisites: None

Independent Study in English: New Testament (NEWTENG)

Course #: 01162 ***Elective Credits: ½***
PEIMS #: 03221840 ***Grade: 9-12***

In this course students will study the characters, poetry, and narratives of the New Testament that are prerequisites to understanding the contributions and influence of the Bible on contemporary society and culture, including literature, art, music, mores, oratory, and public policy. The content of the course will not endorse, favor or promote any particular religion or non-religious faith or religious perspective. Offered second semester only.

Prerequisites: None

Creative/Imaginative Writing (CREAT WR)

Course #: 01323 ***Credits: ½***
PEIMS #: 03221200 ***Grades: 11-12***

The students will explore figurative language and literary devices by incorporating them into a piece of discourse. They will learn how to use proportion, contrast, suspense, rhetorical repetition, and various points of view. They will analyze these devices in literary examples, while at the same time considering their own work as a piece of literature, a literary test. The production of original work will be paramount in this course.

Prerequisites: 80 or above average in previous English class and teacher approval recommended

Practical Writing Skills (PRACT WR)

Course #: 01433 ***Credits: 1***
PEIMS #: 03221300 ***Grade: 12***

The study of writing allows high school students to earn credit while developing skills necessary for composing business letters and requests for information, as well as for completing job applications and résumés. This course emphasizes skill in the use of conventions and mechanics of written English, the appropriate and effective application of English grammar, and the effective use of vocabulary.

PREREQUISITES: English I, English II and English III

Literary Genres (LIT GENR)

Course #: 01391 ***Credits: ½***
PEIMS #: 03221500 ***Grades: 11-12***

Students will explore various literary genres found in the literature of the world.

Prerequisites: 80 or above average in previous English class and teacher approval recommended

Journalism (JRNLSM)

Course #: 01131 ***Credits: 1***
PEIMS #: 03230100 ***Grades: 9-12***

This preparatory class for either the newspaper or the yearbook includes a study of the purpose and function of the media, basic features of journalism, current trends in format, techniques and typography, study of graphics, design, layout and the printing process, preparation of press-ready materials. Study includes news, editorial, feature and headline writing and editing.

Prerequisites: 80 or above average in previous English class recommended

Advanced Journalism: Yearbook I (YBK1)

Course #: 01225 ***Credits: 1***
PEIMS #: 03230110 ***Grades: 9-12***

Advanced Journalism: Literary Magazine I (LM1)

Course #: 01229 ***Credits: 1***
PEIMS #: 03230170 ***Grades: 11-12***

Advanced Journalism: Newspaper I (NP1)

Course #: 01263 ***Credits: 1***
PEIMS #: 03230140 ***Grades: 9-12***

Staffers produce a quality product while working within time constraints and budget limitations, developing financial responsibility in producing the product, planning and implementing an advertising and circulation campaign, cutting and cropping photographs, writing and editing copy, producing graphic art, writing headlines and cutlines, and editing and proofreading copy, pages, and proof pages.

Prerequisites: Teacher approval; Newspaper I: Journalism and teacher approval

Advanced Journalism: Yearbook II (YBK2)	
Course #: 01325	***Credits: 1***
PEIMS #: 03230120	***Grades: 10-12***
Advanced Journalism: Literary Magazine II (LM2)	
Course #: 01329	***Credits: 1***
PEIMS #: 03230180	***Grades: 11-12***
Advanced Journalism: Newspaper II (NP2)	
Course #: 01363	***Credits: 1***
PEIMS #: 03230150	***Grades: 10-12***
This is a continuation of Advanced Journalism I with emphasis on refining and enhancing journalistic skills.	
Prerequisites: Advanced Journalism I; teacher approval recommended	

Advanced Journalism: Yearbook III (YBK3)	
Course #: 01341	***Credits: 1***
PEIMS #: 03230130	***Grades: 11-12***
Advanced Journalism: Literary Magazine III (LM3)	
Course #: 01429	***Credits: 1***
PEIMS #: 03230190	***Grades: 11-12***
Advanced Journalism: Newspaper III (NP3)	
Course #: 01365	***Credits: 1***
PEIMS #: 03230160	***Grades: 11-12***
This is a continuation of Advanced Journalism II with emphasis on refining and enhancing journalistic skills.	
Prerequisites: Advanced Journalism II; teacher approval recommended	

English I for Speakers of Other Languages (ENG1 SOL)	
Course #: 01123	***Credits: 1***
PEIMS #: 03200600	***Grades: 9-10***
English II for Speakers of Other Languages (ENG2 SOL)	
Course #: 01223	***Credits: 1***
PEIMS #: 03200700	***Grades: 9-10***
The goal of these classes is to increase the English proficiency of the students enrolled in these classes. These courses may be substituted for English I and II for immigrant students with limited English proficiency.	
Prerequisites: Designated Limited English Proficiency (LEP)	

Reading I (READ1)	
Course #: 01159	***Credits: 1***
PEIMS #: 03270700	***Grades: 9-10***
Reading II (READ2)	
Course #: 01259	***Credits: 1***
PEIMS #: 03270800	***Grades: 10-11***
Reading III (READ3)	
Course #: 01359	***Credits: 1***
PEIMS #: 03270900	***Grades: 11-12***
Reading I, II, and III offers students instruction in word recognition, comprehension strategies, and vocabulary to ensure that high school students have an opportunity to read with competence, confidence, and understanding. Students are given opportunities to locate information in varied sources, to read critically, to evaluate sources, and to draw supportable conclusions. Students learn how various texts are organized and how authors choose language for effect. All of these strategies are applied in texts that cross the subject fields.	

Visual Media Analysis and Production (VI MEDIA)	
Course #: 01381	***Credits: ½***
PEIMS #: 03221700	***Grades: 9-12***
This course involves students in the principles and techniques of the visual media as an artistic and informative medium. The students identify the purposes of visual media, analyze techniques used in visual media, recognize associated terminology, develop and use standards for analyzing visual media, recognize the origin and development of visual media, compare with other art forms, explore the emotional and intellectual effects of visual media on viewers, analyze the content and values of visual media, and study the relationship between subject matter and choice of media for presenting that subject matter. The students create projects outside of class.	
Prerequisites: None	
Debate I (DEBATE 1)	
Course #: 01246	***Credits: 1***
PEIMS #: 03240600	***Grades: 9-12***
Debate II (Debate 2)	
Course #: 01248	***Credits: 1***
PEIMS #: 03240700	***Grades: 10-12***
Debate III (DEBATE 3)	
Course #: 01346	***Credits: 1***
PEIMS #: 03240800	***Grades: 11-12***
These courses develop skills in analysis, research, and organization and provide opportunities to prepare and present debates in a variety of debate contexts. Debate I is a pre-competition class. Students may have the opportunity to debate in at least one TFA qualifying tournament. Major emphasis in Debate II and III will be placed on TFA, NFL, and UIL competition, which includes traveling to tournaments.	
Prerequisites: Debate I – none; Debate II and III – completion of Debate 1 and teacher approval recommended	

Oral Interpretation I (ORALINT1)	
Course #: 01237	***Credits: 1***
PEIMS #: 03240200	***Grades: 9-12***

Oral Interpretation II (ORALINT2)	
Course #: 01261	***Credits: 1***
PEIMS #: 03240300	***Grades: 10-12***

Oral Interpretation III (ORALINT3)	
Course #: 01361	***Credits: 1***
PEIMS #: 03240400	***Grades: 10-12***

These courses furnish opportunities for students to develop competencies in analysis, adaptation, and performance of literature for an audience. Major emphasis in Oral Interpretation II and III will be placed on TFA, NFL and UIL competition.

Prerequisites: Oral Interpretation I – none; Oral Interpretation II and III – completion of Oral Interpretation I and teacher approval recommended

Public Speaking I (PUBSPKG1)	
Course #: 01255	***Credits: 1***
PEIMS #: 03240900	***Grades: 9-12***

Public Speaking II (PUBSPKG2)	
Course #: 01275	***Credits: 1***
PEIMS #: 03241000	***Grades: 10-12***

Public Speaking III (PUBSPKG3)	
Course #: 01277	***Credits: 1***
PEIMS #: 03241100	***Grades: 10-12***

Emphasis in this course will be on the practical application of speech skills. The course will include an exploration of the following: concepts of rhetoric, outstanding public speakers of the past and present, topic selection, research skills, organization of ideas, selection of language, preparation and presentation of speeches, delivery skills, listening skills, and evaluation skills. Students will be expected to compete in speech competition.

Prerequisites: Public Speaking I – none; Public Speaking II and III – completion of Public Speaking I and teacher approval recommended

Independent Study/Speech (IND SPCH)	
Course #: 01253	***Credits: 1***
PEIMS #: 03241200	***Grades: 10-12***

Independent study in speech provides opportunity for advanced students to plan, organize, produce, perform, and evaluate a project that enables them to develop advanced skills in communication, critical thinking, and problem-solving.

Prerequisites: Public Speaking I or Oral Interpretation I or Debate I and teacher approval recommended

Communication Applications (COMMAPP)	
Course #: 01145	***Credits: ½***
PEIMS #: 03241400	***Grades: 9-12***

Subject areas included in this course are the identification, analysis, development, and evaluation of communication skills necessary for professional and social success in interpersonal situations, group interactions, and personal and professional presentations.

Prerequisites: None

Professional Communications (PROFCOMM)	
Course #: 08823	***Credits: ½***
PEIMS #: 13009900	***Grades: 9-12***

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

Prerequisites: None

Fine Arts

Note: For Communications Applications, Debate, Oral Interpretation, and Professional Communications see the English Language Arts and Reading section, pages 84-85

Art I (ART 1)

Course #: 02111 ***Credits: 1***

PEIMS #: 03500100 ***Grades: 9-12***

Art I provides the student an opportunity to develop skills in design, drawing, painting, printmaking, and sculpture. It includes four basic strands: perception; creative expression/performance; historical/cultural heritage; and critical evaluation. These provide unifying structures for organizing the knowledge and skills students are expected to acquire. Students will be required to use memory, imagination, and real life objects/experiences as sources for art works. This course cannot be entered at mid-term.

Prerequisites: None

PreAP Art I (ART 1 PREAP)

Course #: 02113 ***Credits: 1***

PEIMS #: 03500100 ***Grades: 9-12***

This course is designed for the art student that has shown advanced skills in middle school art. The student will continue developing (1) a sense of quality in their work and (2) decisive use of art elements and principles. This course cannot be entered at mid-term.

Prerequisites: Teacher approval recommended

PreAP Art II – Jewelry (ART2JWLR PREAP)

Course #: 02226 ***Credits: 1***

PEIMS #: 03501100 ***Grades: 9-12***

Students will explore jewelry and adornment from different cultures. Various materials will be used to create jewelry including clay, paper, metal, wire and fiber. Students will design and create their own individual jewelry pieces using elements and principles of design. This course cannot be entered at mid-term.

Prerequisites: Art I; teacher approval recommended

PreAP Art II – Drawing (ART2DRAW PREAP)

Course #: 02213 ***Credits: 1***

PEIMS #: 03500500 ***Grades: 9-12***

This course requires that students develop basic drawing skills using a variety of media. Drawing is approached as a final product. The basic strands established in Art I will be emphasized. This course cannot be entered at mid-term.

Prerequisites: Art I; teacher approval recommended

PreAP Art II – Sculpture (ART2SCLP PREAP)

Course #: 02224 ***Credits: 1***

PEIMS #: 03501000 ***Grades: 9-12***

In this course students will construct sculptures using additive and subtractive methods in a variety of media. 3D design concepts such as form, plane and light, depth and space will be explored.

Prerequisites: Art I; teacher approval recommended

PreAP Art II – Photography (ART2PHTO PREAP)

Course #: 02229 ***Credits: 1***

PEIMS #: 03501200 ***Grades: 9-12***

This course introduces the student to advanced applied and aesthetic aspects of digital and traditional photography. Content includes a study of different digital and film camera types, parts and operation, fundaments of digital and traditional film photography and imaging, composition, and natural and artificial lighting. Emphasis will be on the digital aspects of this course. This course cannot be entered at mid-term.

Prerequisites: Art I; teacher approval recommended

PreAP Art III– Drawing (ART3DRAW PREAP)

Course #: 02325 ***Credits: 1***

PEIMS #: 03501300 ***Grades: 10-12***

In this course, the student is required to draw in depth and will develop the ability to plan and execute drawings as the basis for painting, printmaking, and sculpture. This is a prerequisite for AP 2D Design Portfolio, AP 3D Design Portfolio, and AP Art Drawing Portfolio. This course cannot be entered at mid-term.

Prerequisites: Art II Drawing; teacher approval recommended

PreAP Art III– Photography (ART3PHTO PREAP)

Course #: 02423 ***Credits: 1***

PEIMS #: 03502200 ***Grades: 10-12***

This course introduces the student to advanced digital photography techniques, creative digital imaging, darkroom and alternative processes, and printing for competitions and exhibitions. Emphasis is placed upon preparation for entry into AP Two-Dimensional Design Portfolio (Photography/Digital Imaging). This course cannot be entered at mid-term.

Prerequisites: Art II Photography; teacher approval recommended

AP Art/Drawing (APSTARTD)

Course #: 02301 ***Credits: 1***

PEIMS #: A3500300 ***Grades: 11-12***

The requirements for this course reflect three major concerns: a sense of quality in a student's work; the student's concentration on a particular visual interest or problem; and the student's need for breadth of experience in the formal, technical, and expressive means of the arts. During this course, the student will be introduced to a variety of problems in drawing. Students are expected to make application to the College Board and submit their portfolios for possible college credit. This course cannot be entered at mid-term. Students are expected to submit an AP portfolio.

Prerequisites: Art II; teacher approval recommended

AP Art/Two-Dimensional Design Portfolio (Art Levels III & IV) (AP2DDP)

Course #: 02414 ***Credits: 1***

PEIMS #: A3500400 ***Grades: 11-12***

This portfolio is intended to address a very broad interpretation of two-dimensional design issues. This type of design involves purposeful decision-making about the use the elements and principles of art in an integrative way. The elements of design (line, shape, illusion of space, illusion of motion, pattern, texture, value, and color) are like a palette of possibilities that artists use to express themselves. For this portfolio, students are asked to demonstrate proficiency in two-dimensional design using a variety of art forms such as graphic design, typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking. This course cannot be entered at mid-term. Students are expected to submit an AP portfolio.

Prerequisites: Art II; teacher approval recommended

AP Art/Three-Dimensional Design Portfolio (Art Levels III & IV) (AP3DDP)

Course #: 02514 ***Credits: 1***

PEIMS #: A3500500 ***Grades: 11-12***

This portfolio is intended to address a broad interpretation of sculptural issues in depth and space. These may include mass, volume, form, plane, light, and texture. Such elements and concepts can be articulated through additive, subtractive, and/or fabrication processes. A variety of approaches to representation, abstraction, and expression may be part of the student's portfolio. These might include, among others, traditional sculpture, architectural models, apparel, ceramics, three-dimensional fiber art or metal work. Students are expected to submit an AP Portfolio. This course cannot be entered at mid-term.

Prerequisites: Art II; teacher approval recommended

AP History of Art (APHISART)

Course #: 02314 ***Credits: 1***

PEIMS #: A3500100 ***Grades: 11-12***

This course is designed to provide the same benefits to secondary school students as are provided by an introductory college course in art history and the understanding and enjoyment of architecture, sculpture, painting, and other art forms with an historical and cultural context. The students will examine major forms of artistic expression and learn to look at works of art critically, with intelligence and sensitivity, and to articulate what they see or experience. Students are expected to make application to the College Board and take the AP exam for possible college credit. This course cannot be entered at mid-term. Students are expected to take the AP exam.

Prerequisites: Teacher approval recommended

Theatre Arts I (TH1)

Course #: 02231 ***Credits: 1***

PEIMS #: 03250100 ***Grades: 9-12***

This is the first course in theatre, introducing theatre as an art, and beginning the study of the cultural contributions of the theatre, its plays and its performance, its production styles and techniques. The course introduces basic acting, the role of the actor in interpreting dramatic literature, and the historical evolution of performance styles. This course cannot be entered at mid-term.

Prerequisites: None

Theatre Arts II (TH2)

Course #: 02331 ***Credits: 1***

PEIMS #: 03250200 ***Grades: 10-12***

Theatre Arts III (TH3)

Course #: 02431 ***Credits: 1***

PEIMS #: 03250300 ***Grades: 11-12***

Theatre Arts IV (TH4)

Course #: 02433 ***Credits: 1***

PEIMS #: 03250400 ***Grade: 12***

These courses build on the background established in Theatre I, continuing the study of the cultural contributions of the theatre, its plays, and its performance and production styles and techniques. Basic principles of production are studied and applied through performances in various theatrical modes. Each level of theatre will require a greater degree of understanding and competency in technique and performance. This course cannot be entered at mid-term.

Prerequisites: Theatre I, audition and teacher approval

Technical Theatre I (TH1TECH)

Course #: 02241 ***Credits: 1***

PEIMS: 03250500 ***Grades: 10-12***

Technical Theatre II (TH2TECH)

Course #: 02341 ***Credits: 1***

PEIMS: 03250600 ***Grades: 11-12***

Technical Theatre III (TH3TECH)

Course #: 02441 ***Credits: 1***

PEIMS: 03251100 ***Grades: 12***

This course combines theories of design and stage-craft techniques with construction and operation of the various elements of technical theatre. This course cannot be entered at mid-term.

Prerequisites: Teacher approval

Theatre Production I (TH1PROD)

Course #: 02381 ***Credits: 1***

PEIMS #: 03250700 ***Grades: 9-12***

Theatre Production II (TH2PROD)

Course #: 02383 ***Credits: 1***

PEIMS #: 03250800 ***Grades: 10-12***

Theatre Production III (TH3PROD)

Course #: 02385 ***Credits: 1***

PEIMS #: 03250900 ***Grades: 11-12***

Theatre Production IV (TH4PROD)

Course #: 02387 ***Credits: 1***

PEIMS #: 03251000 ***Grade: 12***

Students will develop and practice acting concepts, skills, and many technical phases of theatre production. Students will also be provided opportunities to grow aesthetically through participation and observation of theatre events.

Prerequisites: Audition and teacher approval

Band 1, 2, 3, 4 (MUS1BAND)

Course #: 02552 ***Credits: 1***
PEIMS #: 03150400 ***Grades: 9-12***

This course is open to students with previous instrumental training. Admission is by audition. First semester is devoted basically to preparation for marching contests, football halftime, pep rallies, parades, and Christmas literature. Second semester is usually devoted to concerts, contests, festivals, and individual achievements such as solo and ensemble contests and region, area, and state band tryouts.

Prerequisites: Director approval

Marching Band (SUBMB) (first time taken)

Course #: 04911 – P1 ***Credits: ½***
PEIMS: PES00012 ***Grades: 9-12***

Marching Band (SUBMB) (second time taken)

Course #: 04911 – P2 ***Credits: ½***
PEIMS: PES00012 ***Grades: 9-12***

Prerequisites: None

Jazz Band (MUS1JZBN)

Course #: 02557 ***Credits: 1***
PEIMS #: 03151600 ***Grades: 9-12***

Jazz band explores various musical styles including jazz, blues, Funk, big band, cool, rock, and other popular forms. Available at Abilene High and Cooper High Schools.

Prerequisites: Member of band and director approval

STEEL DRUM BAND (MUS1INEN)

Course #: 02556 ***Credits: 1***
PEIMS #: 03152000 ***Grades: 9-12***

This course explores various musical styles including Afro-Cuban, Latin, and Caribbean. Students will learn the origins of steel drums and the history of the Trinidad/Tobago region. Outside performances are an expectation of this course. **(Abilene High school only)**

Prerequisites: Music reading ability, audition, and director approval

Choir 1, 2, 3, 4 (MUS1CHOR)

Course #: 02560 ***Credits: 1***
PEIMS #: 03151200 ***Grades: 9-12***

These courses are open to students with and without previous vocal training. There is continued vocal training with emphasis on tone production, sight-reading, and a variety of choral literature.

Prerequisites: Director approval

Vocal Ensemble (MUS1VOEN)

Course #: 02650 ***Credits: 1***
PEIMS #: 03152400 ***Grades: 9-12***

Vocal ensemble is composed of selected students who demonstrate advanced skills in vocal maturity and an acquaintance with a variety of musical styles.

Prerequisites: Director approval

Orchestra 1, 2, 3, 4 (MUS1ORCH)

Course #: 02558 ***Credits: 1***
PEIMS #: 03150800 ***Grades: 9-12***

This is a course for orchestra students. Style and technical skills are explored through the use of a variety of orchestral literature.

Prerequisites: Director approval

Orchestra Ensemble (MUS1INEN)

Course #: 02666 ***Credits: 1***
PEIMS #: 03151900 ***Grades: 9-12***

This course exposes students to various styles of fiddle music. A strong emphasis of performance is placed on members in the ensemble.

Prerequisites: Orchestra member, audition, and director approval

AP Music Theory (APMUSTHY)

Course #: 02701 ***Credits: 1***
PEIMS #: A3150200 ***Grades: 11-12***

This course is designed to prepare students to take the College Board AP Music Theory exam. This course is designed to develop a student's ability to recognize, understand and describe the basic materials and processes of music that are heard or presented in a score. This course cannot be entered at mid-term. Students are expected to take the AP exam.

Prerequisites: Teacher approval and ability to read music

See page 115 in the English Language Arts and Reading section for course description on Oral Interpretation, Public Speaking, Communication Applications, and Professional Communications.

Health

Health Education (HLTH ED)

Course #: 04201 ***Credits: ½***

PEIMS #: 03810100 ***Grades: 9-12***

Topics are addressed that assist the students in understanding a healthy lifestyle, including body systems, substance abuse, accident prevention, human sexuality, mental health, disease control, self-esteem, and decision-making.

Prerequisites: Recommended for 9th grade students

Advanced Health Education (ADHLTHED)

Course #: 04301 ***Credits: ½***

PEIMS #: 03810200 ***Grades: 9-12***

Students are provided opportunities for researching, discussing, and analyzing health issues. This higher level of involvement provides students with experiences designed to reinforce positive health behaviors. Students are given the opportunity to learn more about technology, how it affects health, and how to use electronic technology to gain health information. The emphasis in this course is less related to learning facts and more related to providing students with the skills necessary to access their own health information and services and become health literate.

Prerequisites: Health Education recommended

Sports Medicine I (SPORTMD1)

Course #: 04205 ***1 state elective credit***

PEIMS #: N1150040 ***Grades: 10-12***

This course provides an opportunity for the study and application of the components of sports medicine including but not limited to sports medicine related careers, organizational and administrative considerations, prevention of athletic injuries, recognition, evaluation, and immediate care of athletic injuries, rehabilitation and management skills, taping and wrapping techniques, first aid/CPR/AED, emergency procedures, nutrition, sports psychology, human anatomy and physiology, therapeutic modalities, and therapeutic exercise. Ninth graders may take the course during the Spring semester with teacher approval. **Offered at Abilene High School only.**

Prerequisites: None

Sports Medicine II (SPORTMD2)

Course #: 04207 ***1 state elective credit***

PEIMS #: N1150041 ***Grades: 10-12***

This course is designed for athletic training students. It provides an in-depth study and application of the components of sports medicine including but not limited to: basic rehabilitative techniques; therapeutic modalities; wound care, taping and bandaging techniques, prevention, recognition, and care of musculoskeletal injuries; injuries to the young athlete; drugs in sports; modern issues in sports medicine. Individualized and independent assignments will be included in this course. This course will involve outside-of-class time homework and time required working with athletes and athletic teams. This course compliments the classroom preparation of a student wishing to work in the actual sports medicine arena, by working as an athletic training student with the various sports teams offered in high school. **Offered at Abilene High School only.**

Prerequisites: Sports Medicine I and instructor approval

Sports Medicine III (SPORTMD3)

Course #: 04209 ***1 state elective credit***

PEIMS #: N1150044 ***Grades: 11-12***

This course provides athletic training students the opportunity to continue to perform the assigned duties and responsibilities in the operation of the athletic training room. The assigned duties will enhance the knowledge and skills acquired in the sports medicine course curriculum. **This course is only offered at Abilene High.**

Prerequisites: Sports Medicine I and II, and instructor approval

Languages Other Than English

Spanish I (SPAN I)

Course #: 03141 ***Credits: 1***

PEIMS #: 03440100 ***Grades: 9-12***

Students will acquire listening, speaking, reading, and writing skills, and concepts at the novice level that result in the understanding of simple, routine situations. Students will also be made aware of concepts which result in the knowledge and awareness of the history and culture of another people. This course cannot be entered at mid-term.

Prerequisites: None

PreAP Spanish I (SPAN I PREAP)

Course #: 03144 ***Credits: 1***

PEIMS #: 03440100 ***Grades: 9-12***

This college preparatory course will focus on skills necessary for success in Advanced Placement classes. The course content will be covered in greater depth and/or at an accelerated pace. Student skills will include listening, speaking, reading, and writing of concepts at the novice level that will result in the understanding of simple, routine situations. Students will be made aware of the history and culture of another people. This course cannot be entered at mid-term.

Prerequisites: None

Spanish II (SPAN 2)

Course #: 03244 ***Credits: 1***

PEIMS #: 03440200 ***Grades: 9-12***

Students will continue to acquire listening, speaking, reading, and writing skills, and concepts at the novice level that result in the understanding of most routine questions, statements, and commands along with the ability to respond and to reproduce vocabulary sufficient to express themselves in everyday situations. Students will study the history and culture of another people within a range of different situations. Students will be aware of generalizations about how a language operates and the skills that result in the application of the language learning process to the study of other languages. This course cannot be entered at mid-term.

Prerequisites: Spanish I

PreAP Spanish II (SPAN 2 PREAP)

Course #: 03344 ***Credits: 1***

PEIMS #: 03440200 ***Grades: 9-12***

This college preparatory course will focus on skills necessary for success in Advanced Placement classes. Subject matter will be covered in greater depth and/or at an accelerated pace. Students will acquire listening, speaking, reading, and writing skills that result in the understanding of most routine questions, statements, and commands along with the ability to respond and to reproduce vocabulary sufficient to express themselves in everyday situations. Students will study the history and culture of another people within a range of different situations. This course cannot be entered at mid-term.

Prerequisites: Spanish 1 or PreAP Spanish I

PreAP Spanish III (SPAN 3 PREAP)

Course #: 03249 ***Credits: 1***

PEIMS #: 03440300 ***Grades: 10-12***

This preparatory course covers material in depth and prepares the student for AP Spanish IV. The following skills will be included in the course: listening and speaking on an intermediate-ability level emphasizing extemporaneous speech and comprehension of native-speakers; reading and writing on an intermediate-ability level emphasizing classical and/or contemporary literature and original compositions; cultural experiences emphasizing the awareness and knowledge of cultural differences; grammatical structure on an intermediate-ability level emphasizing mechanics and vocabulary. This course cannot be entered at mid-term.

Prerequisites: Spanish II or PreAP Spanish II

AP Spanish IV (APSPALAN)

Course #: 03446 ***Credits: 1***

PEIMS #: A3440100 ***Grades: 10-12***

This course emphasizes the use of the language for active communication and develops the following skills: the ability to comprehend formal and informal spoken Spanish; acquisition of vocabulary and a grasp of structure to allow the easy, accurate reading of newspaper and magazine articles, as well as of modern literature in Spanish; the ability to compose expository passages; and the ability to express ideas orally with accuracy and fluency. Course emphasizes preparation for the AP Spanish Language Exam. This course cannot be entered at mid-term. Students are expected to take the AP exam.

Prerequisites: PreAP Spanish III or teacher recommendation

AP Spanish V (APSPALIT)

Course #: 03546 ***Credits: 1***

PEIMS #: A3440200 ***Grades: 11-12***

This course emphasizes advanced reading and writing skills; introduces students to the diverse literature written in Spanish and helps them reflect on the many voices and cultures with an extensive reading list including works from seven centuries of Hispanic literature; course also requires advanced ability to express ideas in writing with accuracy and fluency; course emphasizes preparation for the AP Spanish Literature Exam. This course cannot be entered at mid-term. Students are expected to take the AP exam.

Prerequisites: AP Spanish IV or teacher recommendation

French I (FREN 1)

Course #: 03221 ***Credits: 1***

PEIMS #: 03410100 ***Grades: 9-12***

Listening, speaking, reading and writing skills, and concepts that result in the understanding of most routine situations will be taught. Students will be made aware of concepts which result in the knowledge and awareness of the history and cultures of other people. This course cannot be entered at mid-term.

Prerequisites: None

French II (FREN 2)

Course #: 03224 ***Credits: 1***

PEIMS #: 03410200 ***Grades: 9-12***

The students will acquire listening, speaking, reading and writing skills, and concepts that result in the understanding of most routine questions, statements, and commands along with the ability to respond and to reproduce vocabulary sufficient to express themselves in everyday situations. The students will study the history and cultures of other people within a range of different situations. The students will be aware of generalizations about how a language operates and the skills that result in the application of the language learning process to the study of other languages. This course cannot be entered at mid-term.

Prerequisites: French I

PreAP French II (FREN 2 PREAP)

Course #: 03326 ***Credits: 1***

PEIMS #: 03410200 ***Grades: 10-12***

This college preparatory course will focus on skills necessary for success in Advanced Placement classes. Subject matter will be covered in greater depth and/or at an accelerated pace. Students will acquire listening, speaking, reading, and writing skills that result in the understanding of most routine questions, statements, and commands along with the ability to respond and to reproduce vocabulary sufficient to express themselves in everyday situations. Students will study the history and cultures of other people within a range of different situations. This course cannot be entered at mid-term.

Prerequisites: French I

PreAP French III (FREN 3 PREAP)

Course #: 03228 ***Credits: 1***

PEIMS #: 03410300 ***Grades: 10-12***

This college preparatory course covers material in depth and prepares the student for AP French 4. The following skills will be included in the course: listening and speaking on an intermediate-ability level emphasizing extemporaneous speech and comprehension of native-speakers; reading and writing on an intermediate-ability level emphasizing classical and/or contemporary literature and original composition; culture experiences emphasizing the awareness and knowledge of cultural differences; grammatical structure on an intermediate-ability level emphasizing mechanics vocabulary. This course cannot be entered at mid-term.

Prerequisites: French II

AP French IV (APFR LAN)

Course #: 03328 ***Credits: 1***

PEIMS #: A3410100 ***Grades: 10-12***

This course emphasizes the use of the language for active communication and develops the following skills: the ability to understand spoken French in various contexts: a French vocabulary sufficiently ample for reading newspaper and magazine articles, literary texts, and other non-technical writings without dependence on a dictionary; and for viewing, understanding and responding to global current events via TV and/or technology; and the ability to express ideas coherently, resourcefully, and with reasonable fluency and accuracy in both written and spoken French. Course emphasizes preparation for the AP French Language Exam. This course cannot be entered at mid-term. Students are expected to take the AP exam.

Prerequisites: French III

American Sign Language I (ASL 1)

Course #: 03121 ***Credits: 1***

PEIMS #: 03980100 ***Grades: 9-12***

Students will acquire expressive and receptive skills and concepts at the novice level that results in the understanding of simple, routine situations and conversations with deaf and hard-of hearing people. Students will also be made aware of early deaf history, and introduction to deaf culture, as well as the medical, cultural, and linguistic perspectives as they relate to American Sign Language. Finger spelling, number systems, basic vocabulary for people, verbs, and adjectives will be introduced in this course. This course cannot be entered at mid-term.

Prerequisites: None

American Sign Language II (ASL 2)

Course #: 03123 ***Credits: 1***

PEIMS #: 03980200 ***Grades: 10-12***

Using a total-immersion approach of instruction, students will continue to acquire expressive and receptive skills and concepts that result in the understanding of most routine questions, statements, and commands along with the ability to respond and reproduce vocabulary to express themselves in everyday interactions with deaf and hard-of-hearing people. This course introduces complex grammatical aspects of ASL and use of classifiers and spatial organization when signing. This course will discuss ASL Poetry, ASL literature, and more in depth analysis of deaf culture and the evolving deaf community. Contact with the deaf community will be required to enhance linguistic and cultural knowledge. This course cannot be entered at mid-term.

Prerequisites: American Sign Language I

American Sign Language III (ASL 3)

Course #: 03125 ***Credits: 1***

PEIMS #: 03980300 ***Grades: 10-12***

Continuing a total-immersion approach of instruction, students will cover ASL course material in depth that will develop comprehension and production skills using complicated ASL phrases, idioms, and humor. This course increases conversational competence and expands vocabulary range at the intermediate level. Expressive and receptive skills of native signers will be assessed. Knowledge of deaf schools, deaf education, as well as intense research and presentation in ASL will take place. Video production and editing of ASL videos will take place. Video involved ASL skills after high-school, and students will be required to have contact with the deaf community. This course cannot be entered at mid-term

Prerequisites: American Sign Language II

Mathematics

Algebra I (ALG 1)

Course #: 05141 ***Credits: 1***

PEIMS #: 03100500 ***Grades: 9-12***

Algebra I provides the foundation concepts for Algebra 2, Geometry, and all high school mathematics. It establishes concepts in the areas of number operations, quantitative reasoning, algebraic thinking, and symbolic reasoning. An emphasis is placed on function concepts, the relationship between equations, and the use of these to model real world applications. Preparation for End of Course testing will be included.

Prerequisites: None

PreAP Algebra I (ALG 1 PREAP)

Course #: 05101 ***Credits: 1***

PEIMS #: 03100500 ***Grades: 9-12***

This college-preparatory course covers the same material presented in regular Algebra I. Concepts will be explored in greater depth and problem-solving will be more varied and demanding. Technology including the graphing calculator and the computer will be used to a greater extent than in Algebra I. Additional topics to be covered are geometric representations of algebraic situations, quadratic systems with parabolas, and absolute value equations and inequalities. Preparation for End of Course testing will be included.

Prerequisites: None

Geometry (GEOM)

Course #: 05251 ***Credits: 1***

PEIMS #: 03100700 ***Grades: 9-12***

Geometry is a college-preparatory course as well as preparation for school-to-work programs. Geometry consists of the study of geometric figures of zero, one, two, and three dimensions and the relationships among them. Connections are made between geometric concepts and solving real world problems by using a variety of representations (concrete, pictorial, algebraic, and coordinate), tools, technology, applications and modeling, logical reasoning, justification, and proof.

Prerequisites: Algebra 1

PreAP Geometry (GEOM PREAP)

Course #: 05203 ***Credits: 1***

PEIMS #: 03100700 ***Grades: 9-12***

This college-preparatory course will contain the Texas Essential Knowledge and Skills in the regular geometry course. Concepts will be explored in greater depth and with rigor designed to properly prepare students to be successful in Pre-Advanced Placement Algebra 2. Preparation for End of Course testing will be included.

Prerequisites: Algebra I

Mathematical Models With Applications (MTHMOD)

Course #: 05135 ***Credits: 1***

PEIMS #: 03102400 ***Grades: 10-12***

This course is offered as a bridge to Algebra II. Algebra I and Geometry concepts will be revisited. In addition, students will be introduced to applied math in real world situations, including personal finance (budgeting, insurance, savings, and credit.) This course may not fulfill the math entrance requirements of some colleges. Semesters are independent of each other. NOTE: Math Models must be taken before Algebra II to meet requirements of the Recommended Graduation Plan.

Prerequisites: Algebra I; Geometry recommended

Algebra II (ALG 2)

Course #: 05241 ***Credits: 1***

PEIMS #: 03100600 ***Grades: 9-12***

Progression through the algebra concepts taught in this course allows students to develop logical reasoning and problem-solving skills vital in today's technology-oriented world. It prepares students for either school-to-work programs or progression to higher mathematics needed for post-secondary studies. It emphasizes the need to master functional relationships and employ them to problem-solve real situations. It provides access to current technology that allows table building, coordinate graphing, algebraic analysis, and computation. It encompasses the study of algebraic functions using data analysis, matrices, factoring, complex numbers, properties of exponents, graphs, and tables. The relationships between algebra and geometry are continuously integrated into the course. Abstract algebra concepts and their geometric graphs are linked together for such functions as linear, quadratic, radical, inverse, exponential, and logarithmic functions. Graphs of circles, ellipses, parabolas, and hyperbolas (the conic sections), and their respective algebraic descriptions are also studied and applied.

Prerequisites: Algebra I; Geometry recommended; Geometry can be taken concurrently

PreAP Algebra II (ALG 2 PREAP)

Course #: 05201 ***Credits: 1***

PEIMS #: 03100600 ***Grades: 9-12***

This college-preparatory course covers the same material presented in regular Algebra II in addition to other topics that will better prepare students for Pre-Advanced Placement Pre-Calculus. Concepts will be explored in greater depth and problem-solving will be more varied and demanding.

Prerequisites: Algebra I; Geometry recommended; Geometry can be taken concurrently

Pre-Calculus (PRE CALC)

Course #: 05353 ***Credits: 1***

PEIMS #: 03101100 ***Grades: 10-12***

Pre-Calculus combines the use of the real number coordinate system with an extensive study of functions and their graphs, including trigonometric functions and their periodicity, inverse, composite, polynomial, rational, exponential, and logarithmic functions. Functions, sequences and series, conic sections, parametric representations, and vectors will be used to model real life situations.

Prerequisites: Algebra I and II and Geometry

PreAP Pre-Calculus (PRE CALC PREAP)

Course #: 05301 ***Credits: 1***

PEIMS #: 03101100 ***Grades: 10-12***

This college-preparatory course is intended for students who have displayed a high degree of understanding in their previous math courses. It is designed to prepare students for AP Calculus. It includes the same concepts covered in Pre-Calculus but explored in greater depth, and problem solving will be more varied and demanding.

Prerequisites: Algebra II; Geometry recommended

AP Calculus AB (APCALCAB)

Course #: 05403 ***Credits: 1***

PEIMS #: A3100101 ***Grades: 11-12***

This course will follow the course description for AP Calculus AB as defined by the college board. Students will be taught the Texas Essential Knowledge and Skills of calculus such as applying limit theorems, continuity, differentiation and integration of algebraic and transcendental (trigonometric, exponential, and logarithmic) functions. Also, applications of first and second derivatives including curve sketching, velocity and acceleration, maxima and minima, and related rates are covered. Indefinite and definite integration including applications are presented. Other subjects covered are: differentiating composite functions using the chain rule, implicit differentiation problems, and other integration methods. Graphing calculator skills are required for solving some problems. Preparation for the College Board AP Calculus Exam is emphasized. Students are expected to take the AP exam.

Prerequisites: Pre-Calculus

Statistics And Risk Management (STATSRM)

Course #: 08840 ***Credits: 1***

PEIMS #: 13016900 ***Grade: 12***

Students will use a variety of graphical and numerical techniques to analyze patterns and departures from patterns to identify and manage risk that could impact an organization. Students will use probability as a tool for anticipating and forecasting data within business models to make decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid.

Prerequisites: Algebra II recommended

AP Statistics (APSTATS)

Course #: 05405 ***Credits: 1***

PEIMS #: A3100200 ***Grades: 11-12***

This course will follow the course description for AP Statistics as defined by the college board. Students will be introduced to the major concepts and tools to collect, analyze, and draw conclusions from data. Topics are divided into four major themes: exploratory analysis, planning a study, probability, and statistical inference. Preparation for the College Board AP Statistics Exam is emphasized. Students are expected to take the AP exam.

Prerequisites: Algebra II and Geometry; Juniors concurrently enrolled in Pre-Calculus recommended

Independent Study In Math I (INSTUMTH)

Course #: 05355 ***Credits: 1***

PEIMS #: 03102500 ***Grades: 9-12***

Prerequisites: Geometry and Algebra II

Independent Study In Math II (INSTMTH2)

Course #: 05356 ***Credits: 1***

PEIMS #: 03102501 ***Grades: 11-12***

Prerequisites: Geometry and Algebra II

Math in Agriculture, Food and Natural Resources (MATHAFNR)

Course #: 09846 ***Credits: 1***

PEIMS #: 13001000 ***Grades: 12***

To be prepared for careers in agriculture, food, and natural resources, students must acquire technical knowledge in the discipline as well as apply academic skills in mathematics. Students should apply knowledge and skills related to 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.

Prerequisites: A minimum of 1 credit from the courses in the Agriculture, Food, and Natural Resources cluster.

AP Computer Science A (APTACSA)

Course #: 09105 ***Credits: 2***

PEIMS #: A3580100 ***Grades: 11-12***

AP Computer Science A is equivalent to a college-level course in computer science/programming. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of the data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. This course provides instruction in all Texas Essential Knowledge and Skills required for Computer Science 1 and Computer Science II. Students may fulfill the graduation requirement of two years of foreign language (Computer Science 1 and II) or elective credit with successful completion of this course. This course may not be entered at midterm.

Prerequisites: Credit or concurrent enrollment in pre-calculus or calculus

Physical Education

Foundations of Personal Fitness (PEFOUND)	
Course #: 04900	***Credits: ½-1***
PEIMS #: PES00052	***Grades: 9-12***
This course will use a textbook in conjunction with fitness-related activities. The basic purpose of this course is to encourage students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness.	
PREREQUISITES: None	

Individual or Team Sports (PEITS)	
Course #: 04903	***Credits: ½-1***
PEIMS #: PES00055	***Grades: 9-12***
This class is designed for the development of health-related fitness through the selection of individual or team sport activities that can be pursued for a lifetime.	
Prerequisites: None	

Aerobic Activities (PEAA)	
Course #: 04902	***Credits: ½-1***
PEIMS #: PES00054	***Grades: 9-12***
Students in aerobic activities and weight training are exposed to a variety of activities that promote health-related fitness. A major expectation is for the student to design a personal fitness program that uses aerobic activities and weight training as a foundation.	
Prerequisites: None	

Adventure/Outdoor Education (PEAOA)	
Course #: 04901	***Credits: ½-1***
PEIMS: PES00053	***Grades: 9-12***
Adventure/Outdoor Education is expected to develop competency in outdoor education activities that provide opportunities for enjoyment and challenge which enhances a physically active lifestyle. These activities promote a respect for the environment and can be enjoyed for a lifetime.	
Prerequisites: None	

PE Substitution - Cheerleading (SUBCHLDG) (first time taken)	
Course #: 04972	***Credits: 1***
PEIMS: PES00013	***Grades: 9-12***
Cheerleading (CHEERLEADI) (each year thereafter)	
Course #: 04973	***local credit only***
PEIMS: 84200013	***Grades: 9-12***
Prerequisites: None	

PE Substitution - Pep Squad (SUBCHLDG) (first time taken)	
Course #: 04942	***Credits: 1***
PEIMS: PES00013	***Grades: 9-12***
Pep Squad (PEP SQUAD) (each year thereafter)	
Course #: 04943	***local credit only***
PEIMS: 84200015	***Grades: 9-12***
Prerequisites: None	

PE Substitution - Drill Team (SUBDT) (first time taken)	
Course #: 04974	***Credits: 1***
PEIMS: PES00014	***Grades: 9-12***
Drill Team (DRILL TEAM) (each year thereafter)	
Course #: 04975	***local credit only***
PEIMS: 84200014	***Grades: 9-12***
Prerequisites: None	

PE Substitution - Marching Band (SUBMB) (first time taken)	
Course #: 04911 – P1	***Credits: ½***
PEIMS: PES00012	***Grades: 9-12***
PE Substitution - Marching Band (SUBMB) (second time taken)	
Course #: 04911 – P2	***Credits: ½***
PEIMS: PES00012	***Grades: 9-12***
Prerequisites: None	

PE Substitution - Athletics (SUBATHL1)	
Grades: 9-12	***Credits: 1***
Football Course #: 04931	***PEIMS #: PES00003***
Tennis Course #: 04963	***PEIMS #: PES00003***
Baseball Course #: 04923	***PEIMS #: PES00003***
Soccer Course #: 04951	***PEIMS #: PES00003***
Swimming Course #: 04959	***PEIMS #: PES00003***
Softball Course #: 04955	***PEIMS #: PES00003***
Basketball Course #: 04927	***PEIMS #: PES00003***
Volleyball Course #: 04971	***PEIMS #: PES00003***
Gymnastics Course #: 04939	***PEIMS #: PES00003***
Golf Course #: 04935	***PEIMS #: PES00003***
Track Course #: 04967	***PEIMS #: PES00003***
Cross Country #:04983	***PEIMS #: PES00003***
Powerlifting Course #: 04947	***PEIMS #: PES00003***
Prerequisites: Tryout and teacher approval	

For students who participate in a physical activity program such as karate, dance, gymnastics, etc... Please see page 7 for information about receiving PE credit.

Science

Biology (BIO)

Course #: 06121 ***Credits: 1***

PEIMS #: 03010200 ***Grades: 9-10***

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 the following: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; ecosystems; and plants and the environment. Preparation for End of Course testing will be included.

Prerequisites: None

PreAP Biology (BIO PREAP)

Course #: 06201 ***Credits: 1***

PEIMS #: 03010200 ***Grades: 9-10***

In PreAP 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 the following: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; ecosystems; and plants and the environment. Students will be expected to perform on an advanced level in preparation for further upper-level science courses. Preparation for End of Course testing will be included.

Prerequisites: None

AP Biology (AP-BIO)

Course #: 06373 ***Credits: 1***

PEIMS #: A3010200 ***Grades: 11-12 (10th grade with teacher recommendation)***

The Advanced Placement Biology course is designed to be the equivalent of a college introductory biology course. The course will include those topics regularly covered in a college biology course, and differs from standard high school biology with respect to the kind of textbook used, the range and depth of topics covered, the kind of laboratory work done by students, and the time and effort required of students. The course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Content requirements for AP Biology are prescribed in the College Board Publication Advanced Placement Course Description: Biology, published by the College Board. Students are expected to take the AP exam.

Prerequisites: Biology I, Chemistry and Physics recommended (may be taken concurrently).

Chemistry (CHEM)

Course #: 06263 ***Credits: 1***

PEIMS #: 03040000 ***Grades: 10-12***

In Chemistry, 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 the following: characteristics of matter; energy transformations during physical and chemical changes; atomic structure; periodic table of elements; behavior of gases; bonding; nuclear fusion and nuclear fission; oxidation-reduction reactions; chemical equations; solutes; properties of solutions; acids and bases; molar relationships; and chemical reactions. Students will investigate how chemistry is an integral part of our daily lives.

Prerequisites: Algebra I; Biology recommended. Completion or concurrent enrollment in a second year of math recommended. (If IPC is taken it must be completed before enrolling in chemistry or physics.)

PreAP Chemistry (CHEM PREAP)

Course #: 06203 ***Credits: 1***

PEIMS #: 03040000 ***Grades: 10-12 (9th grade with teacher recommendation)***

In PreAP Chemistry, 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 the following: characteristics of matter; energy transformations during physical and chemical changes; atomic structure; periodic table of elements; behavior of gases; bonding; nuclear fusion and nuclear fission; oxidation-reduction reactions; chemical equations; solutes; properties of solutions; acids and bases; molar relationships; and chemical reactions. Students will investigate how chemistry is an integral part of our daily lives. Students will be expected to perform on an advanced level in preparation for further upper-level science courses.

Prerequisites: Algebra I; Biology recommended. Completion or concurrent enrollment in a second year of math recommended (If IPC is taken it must be completed before enrolling in chemistry or physics.)

AP Chemistry (AP-CHEM)

Course #: 06473 ***Credits: 1***

PEIMS #: A3040000 ***Grades: 11-12 (10th grade with teacher recommendation)***

The Advanced Placement Chemistry course is designed to be the equivalent of the General Chemistry course usually taken during the first college year. For some students, this course enables them to undertake, as college freshmen, second-year work in the chemistry sequence, or to register in courses in other fields where general chemistry is a prerequisite. For other students, the AP Chemistry course fulfills the laboratory science requirement and frees time for other courses. This course differs from high school Chemistry I with respect to the kind of textbook used, the topics covered, the emphasis on chemical calculation and the mathematical formulation of principles, and the kind of laboratory work done by students. Quantitative differences appear in the number of topics treated, the time spent on the course by students, and the nature and the variety of experiments done in the laboratory. Content requirements for AP Chemistry are prescribed in the College Board Publication Advanced Placement Course Description: Chemistry, published by the College Board. Students are expected to take the AP exam.

Prerequisites: Algebra II and Biology; Chemistry or Physics recommended (may be taken concurrently).

Physics (PHYSICS)

Course #: 06371 ***Credits: 1***

PEIMS #: 03050000 ***Grades: 11-12***

In Physics, 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 the following: laws of motion, changes within physical systems and conservation of energy and momentum; force; thermodynamics; characteristics and behavior of waves; and quantum physics. This course provides students with a conceptual framework, factual knowledge, analytical, and scientific skills.

Prerequisites: Algebra I and Biology recommended. (IPC is not a prerequisite. If IPC is taken it must be completed before enrolling in chemistry or physics.)

PreAP Physics (PHYSICS PREAP)

Course #: 06305 ***Credits: 1***

PEIMS #: 03050000 ***Grades: 11-12***

In PreAP Physics, 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 the following: laws of motion; changes within physical systems and conservation of energy and momentum; force; thermodynamics; characteristics and behavior of waves; and quantum physics. This course provides students with a conceptual framework, factual knowledge, and analytical and scientific skills. Students will be expected to perform on an advanced level in preparation for further upper-level science courses. Preparation for End of Course testing will be included.

Prerequisites: Algebra I and Biology with completion or concurrent enrollment in a second year of math. (If IPC is taken, it must be completed before enrolling in chemistry or physics.0

AP Physics 1: Algebra-Based (APPHYS1)

Course #: 06427 ***Credits: 1***

PEIMS #: A3050003 ***Grade: 12***

AP Physics 1: Algebra-Based is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. The focus is on a series of learning objectives that clarify the knowledge and skills students should demonstrate to qualify for college credit and placement. Please check the college you plan to attend for the acceptance of this course in your major field of study. Content requirements for Advanced Placement (AP) Physics are prescribed by the College Board Publication Advanced Placement Course Description: Physics 1, published by the College Board. Students are expected to take the AP Exam.

Prerequisites: Algebra II, completion of Biology, Chemistry, and concurrent enrollment in Pre-Calculus is strongly recommended.

AP Physics 2: Algebra-Based (APPHYS2)

Course #: 06429 ***Credits: 1***

PEIMS #: A3050004 ***Grade: 12***

AP Physics 2: Algebra-Based is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. The focus is on a series of learning objectives that clarify the knowledge and skills students should demonstrate to qualify for college credit and placement. Please check the college you plan to attend for the acceptance of this course in your major field of study. Content requirements for Advanced Placement (AP) Physics are prescribed by the College Board Publication Advanced Placement Course Description: Physics 2, published by the College Board. Students are expected to take the AP Exam.

Prerequisites: Algebra II, completion of Biology, Chemistry, AP Physics I, and concurrent enrollment in Pre-Calculus or Calculus is strongly recommended.

AP Physics C (AP-PHYSC)

Course #: 06425 ***Credits: 1***

PEIMS #: A3050002 ***Grade: 12***

This course provides the student who is planning to specialize in physical science or engineering with the opportunity to meet his/her requirement for Introductory Physics. The Physics C course is divided into ½ year of mechanics and ½ year of electricity and magnetism. Use of calculus in problem-solving and in derivations increases as the course progresses. Please check the college you plan to attend for the acceptance of this course in your major field of study. Content requirements for AP Physics are prescribed in the College Board Publication Advanced Placement Course Description: Physics, published by the College Board. Students are expected to take the AP exam.

Prerequisites: Geometry, Algebra II, Biology, Chemistry, Physics or PreAP Physics, and Pre-Calculus, concurrent enrollment in Calculus strongly recommended.

Anatomy and Physiology (ANATPHYS)

Course #: 08847 ***Credits: 1***

PEIMS #: 13020600 ***Grades: 11-12***

This course introduces a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Students conduct laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem-solving. Note: This course can count as the fourth year of science for graduation requirements for students entering 9th grade in 2007-2008.

Prerequisites: Biology and Chemistry recommended

Integrated Physics and Chemistry (IPC)

Course #: 06327 ***Credits: 1***

PEIMS #: 03060201 ***Grade: 9-10***

In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem-solving. This course integrates the disciplines of physics and chemistry in the following topics: motion, waves, energy transformations, properties of matter, changes in matter, and solution chemistry.

Prerequisites: Biology recommended

Environmental Systems (ENVIRSYS)	
Course #: 06233	***Credits: 1***
PEIMS #: 03020000	***Grade: 11-12***
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 the following: 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; relationships between carrying capacity and changes in populations and ecosystems; and changes in environments.	
Prerequisites: Biology and a physical science recommended.	

AP Environmental Science (AP-ENVIR)	
Course #: 06309	***Credits: 1***
PEIMS #: A3020000	***Grades: 11-12***
In AP Environmental Science students will study scientific principles that help them understand the relationships of the natural world. Students will identify environmental problems both natural and man-made and examine solutions for resolving these problems. Topics that will be covered include the following: flow of energy, nutrient cycles, earth dynamics, atmospheric pollution, biomes, population studies, renewable/nonrenewable resources, water and soil quality, evaluation, and human impact on environmental issues. Students are expected to take the AP exam.	
Prerequisites: Algebra II and Biology; Chemistry and Physics recommended (may be taken concurrently).	

Social Studies

World Geography Studies (W GEO)

Course #: 07261 ***Credits: 1***

PEIMS #: 03320100 ***Grades: 9-12***

Students examine people, places, and environments at local, regional, national, and international scales from the spatial perspective of geography. Students describe the influence of geography on events of the past and present. A significant portion of the course centers on the physical environment; cultural patterns; the distribution and movement of world population; relationships among people, places, and environments; and the concept of region. This course cannot be entered at mid-term.

Prerequisites: None

PreAP World Geography Studies (W GEO PREAP)

Course #: 07210 ***Credits: 1***

PEIMS #: 03320100 ***Grades: 9-12***

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. The course will focus on the physical processes that shape patterns in the physical environment, and the social processes that shape cultural patterns of regions. 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. This course is the introductory course to the high school social studies AP Program. The course cannot be entered at mid-term.

Prerequisites: None

World History Studies (W HIST)

Course #: 07241 ***Credits: 1***

PEIMS #: 03340400 ***Grades: 10-12***

The major emphasis in this course is on the study of significant people, events, and issues from the earliest times to the present. Students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. This course cannot be entered at mid-term.

Prerequisites: World Geography recommended

AP World History (APWHIST)

Course #: 07203 ***Credits: 1***

PEIMS #: A3370100 ***Grades: 10-12***

The purpose of AP World History is to develop a greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. Focused primarily on the past thousand years of the global experience, the course builds on an understanding of cultural, institutional, and technological precedents. Specific themes provide further organization to the course, along with the consistent attention to contacts among societies that form the core of world history as a field of study. Preparation for the College Board AP Exam is emphasized. This course may be substituted for World History Studies. This course cannot be entered at mid-term. Students are expected to take the AP exam.

Prerequisites: World Geography, PreAP World Geography recommended

United States History Studies Since 1877 (US HIST)

Course #: 07111 ***Credits: 1***

PEIMS #: 03340100 ***Grades: 10-12***

Students study the history of the United States since Reconstruction to the present. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies of the Cold War and post-Cold War eras, and reform movements including civil rights. This course cannot be entered at mid-term. Preparation for the College Board AP Exam is emphasized. Preparation for End of Course testing will be included.

Prerequisites: World History, World Geography recommended

AP United States History (APUSHIST)

Course #: 07401 ***Credits: 1***

PEIMS #: A3340100 ***Grades: 10-12***

Advanced Placement United States History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in American history. This course, designed as a college-level course, prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. In this course students will learn to assess historical materials, their relevance to a given interpretive problem, their reliability, and their importance—and to weigh the evidence and interpretations presented in historical scholarship. Preparation for the College Board AP Exam is emphasized. This course may be substituted for U.S. History Since Reconstruction. This course cannot be entered at mid-term. Preparation for End of Course testing will be included and students are expected to take the AP exam.

Prerequisites: Pre-AP World History and Pre-AP World Geography recommended

United States Government (GOVT)

Course #: 07331 ***Credits: ½***

PEIMS #: 03330100 ***Grades: 11-12***

The focus of this course 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. 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.

Prerequisites: United States History recommended

AP United States Government and Politics (APUSGOVT)

Course #: 07403 ***Credits: ½***

PEIMS #: A3330100 ***Grade: 12***

Advanced Placement United States Government and Politics is designed for qualified students who wish to complete studies in high school equivalent to a one-semester college introductory course. It will give students an analytical perspective on government and politics. The student will become familiar with the Constitutional underpinnings of United States Government; political beliefs and behaviors; political parties and interest groups; the institutions and policy processes of national government; civil rights and civil liberties. Students will acquire the skills of analyzing data, and writing and presenting written and oral arguments which will prepare them for the demands of beginning and intermediate college courses. Students are expected to take the AP exam.

Prerequisites: Pre-AP World History and Pre-AP World Geography recommended

AP European History (APEUHIST)

Course #: 07405 ***Credits: 1***

PEIMS #: A3340200 ***Grades: 11-12***

AP European History is a college-level course covering the political, economic, religious, and cultural history of Europe since the Renaissance. Preparation for the College Board AP Exam is emphasized. This course cannot be entered at mid-term. Students are expected to take the AP exam.

Prerequisites: World History, World Geography, AP United States History recommended

AP Human Geography (APHUMGEO)

Course #: 07301 ***Credits: 1***

PEIMS #: A3360100 ***Grades: 10-12***

This course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Preparation for the College Board AP Exam is emphasized. This course cannot be entered at mid-term. This course may be used as a substitute for World Geography. Students are expected to take the AP exam.

Prerequisites: None

Psychology (PSYCH)

Course #: 07281 *Credits: ½*

PEIMS #: 03350100 *Grades: 11-12*

Students consider the development of the individual and the personality. The study of psychology is based on an historical framework and relies on effective collection and analysis of data. Students study topics such as theories of human development, personality, motivation, and learning. This course is offered at AHS only.

Prerequisites: None

Sociology (SOC)

Course #: 07391 ***Credits: ½***

PEIMS #: 03370100 ***Grades: 11-12***

Students study dynamics and models of individual and group relationships; topics such as the history and systems of sociology, cultural and social norms, social institutions, and mass communication. **This course is offered at AHS only.**

Prerequisites: None

Specialty Classes

Specialty Classes

Peer Assistance and Leadership 1 (PAAL1)

Course #: 09364 — ***Credits: 1***

PEIMS #: N1290005 — ***Grades: 11-12***

Peer Assistance and Leadership 2 (PAAL2)

Course #: 09464 — ***Credits: 1***

PEIMS #: N1290006 — ***Grades: 11-12***

The Peer Assistance and Leadership program is a peer helping program in which selected high school students in grades 11 and 12 are trained to work as peer helpers with other students either on their own campus or from feeder middle schools or elementary schools. Participants will be trained in a variety of helping skills which will enable them to assist other students in having a more positive and productive school experience. PALS also perform service projects at various local non-profit agencies. The program is approved by the Texas Education Agency as an elective course for credit (1 unit) toward graduation. Students must submit an application and be interviewed before being selected for this course. This course requires a one year commitment and cannot be entered at mid-term. This course also requires a minimum of 3 Saturdays for volunteer work. AHS and CHS PALS partners with Big Brothers Big Sisters in working with elementary students.

Prerequisites: Application and interview

Advancement Via Individual Determination 1 (AVID1)

Course #: 09721 — ***Credits: 1***

PEIMS #: N1290001 — ***Grade: 9***

Advancement Via Individual Determination 2 (AVID2)

Course #: 09722 — ***Credits: 1***

PEIMS #: N1290002 — ***Grade: 10***

Advancement Via Individual Determination 3 (AVID3)

Course #: 09723 — ***Credits: 1***

PEIMS #: N1290030 — ***Grade: 11***

AVID is an elective course that prepares students in the academic middle for four-year college eligibility. For one period a day, they learn organizational and study skills, work on critical thinking and asking probing questions, get academic help from peers and tutors, and participate in enrichment and motivational activities that make college seem attainable.

Prerequisites: None

Advancement Via Individual Determination 4 (AVID4)

Course #: 09724 — ***Credits: 1***

PEIMS #: N1290033 — ***Grade: 12***

AVID is an elective course that prepares students in the academic middle for four-year college eligibility. For one period a day, they learn organizational and study skills, work on critical thinking and asking probing questions, get academic help from peers and tutors, and participate in enrichment and motivational activities that make college seem attainable. Students must be enrolled in challenging classes that best prepare them for college

Prerequisites: None

Countdown to College (SAT PREP)

Course #: 09486 — ***Credits: ½***

PEIMS #: 85000104 — ***Grades: 10-12***

This course is designed for serious college-bound students who will take the PSAT in their junior year or SAT/ACT in their senior year. The purpose of the course is to increase the test scores of college-bound students and increase the opportunities for participants to receive academic college scholarships.

Prerequisites: Recommended for college bound students

Career Preparation I (CAREERP1)

Course #: 08953 — ***Credits: 3***

PEIMS #: 12701300 — ***Grades: 11-12***

This course provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences and prepares students with a variety of skills for a fast-changing workplace. Career Preparation includes employability skills, job interview techniques, communication skills, financial and budget activities, human relations, as well as job-specific skills related to a student's training station.

Prerequisites: None

Career Preparation II (CAREERP2)

Course #: 08954 — ***Credits: 3***

PEIMS #: 12701400 — ***Grades: 12***

This course is a continuation of the instruction with paid business and industry employment experiences of Career Preparation I.

Prerequisites: Career Preparation I

Parenting Education for School Age Parents I (PAEDSAP1)

Course #: 08898 — ***Credits: ½-1***

PEIMS #: N1302536 — ***Grades: 9-12***

This course is designed to provide parenting skills to students who are parents or are expecting a child. Technical information is provided in the following areas: personal development, adult/parenthood roles, prenatal/postnatal care, child development, family management, parenting responsibilities, infant and childhood health and nutritional needs, and managing multiple roles of parent, student, and wage earner.

Prerequisites: Open to male and female students who are parents and to students who are pregnant

Parenting Education for School Age Parents II (PAEDSAP2)

Course #: 08899 — ***Credits: ½-1***

PEIMS #: N1302537 — ***Grades: 10-12***

This course is designed to provide parenting skills to students who are parents or are expecting a child. Technical information is provided in the following areas: personal development, adult/parenthood roles, prenatal/postnatal care, child development, family management, parenting responsibilities, infant and childhood health and nutritional needs, and managing multiple roles of parent, student, and wage earner.

Prerequisites: Open to male and female students who are parents and to students who are pregnant

Text of Proposed New 19 TAC

Chapter 74. Curriculum Requirements

Subchapter B. Graduation Requirements

§74.11. High School Graduation Requirements.

(a) To receive a high school diploma, a student entering Grade 9 in the 2014-2015 school year and thereafter must complete the following:

(1) in accordance with subsection (c) of this section, requirements of the Foundation High School Program specified in §74.12 of this title (relating to Foundation High School Program); [~~and~~]

(2) testing requirements for graduation as specified in Chapter 101 of this title (relating to Assessment) ; and [~~,~~]

(3) demonstrated proficiency, as determined by the district in which the student is enrolled, in delivering clear verbal messages; choosing effective nonverbal behaviors; listening for desired results; applying valid critical-thinking and problem-solving processes; and identifying, analyzing, developing, and evaluating communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations.

(b) A school district shall clearly indicate the distinguished level of achievement under the Foundation High School Program, an endorsement, and a performance acknowledgment on the diploma and transcript or academic achievement record (AAR) of a student who satisfies the applicable requirements.

(c) A student entering Grade 9 in the 2014-2015 school year and thereafter shall enroll in the courses necessary to complete the curriculum requirements for the Foundation High School Program specified in §74.12 of this title and the curriculum requirements for at least one endorsement specified in §74.13 of this title (relating to Endorsements).

(d) A student may graduate under the Foundation High School Program without earning an endorsement if, after the student's sophomore year:

(1) the student and the student's parent or person standing in parental relation to the student are advised by a school counselor of the specific benefits of graduating from high school with one or more endorsements; and

(2) the student's parent or person standing in parental relation to the student files with a school counselor written permission, on a form adopted by the Texas Education Agency (TEA), allowing the student to graduate under the Foundation High School Program without earning an endorsement.

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

(f) An out-of-state or out-of-country transfer student (including foreign exchange students) or a transfer student from a Texas nonpublic school is eligible to receive a Texas diploma, but must complete all requirements of this section to satisfy state graduation requirements. Any course credit required in this section that is not completed by the student before he or she enrolls in a Texas school district may be satisfied through the provisions of §74.23 of this title (relating to Correspondence Courses and Distance Learning) and §74.24 of this title (relating to Credit by Examination) or by completing the course or courses according to the provisions of §74.26 of this title (relating to Award of Credit).

(g) Elective credits may be selected from the following:

(1) high school courses not required for graduation that are listed in the following chapters of this title:

(A) Chapter 110 of this title (relating to Texas Essential Knowledge and Skills for English Language Arts and Reading);

(B) Chapter 111 of this title (relating to Texas Essential Knowledge and Skills for Mathematics);

(C) Chapter 112 of this title (relating to Texas Essential Knowledge and Skills for Science);

(D) Chapter 113 of this title (relating to Texas Essential Knowledge and Skills for Social Studies);

(E) Chapter 114 of this title (relating to Texas Essential Knowledge and Skills for Languages Other Than English);

(F) Chapter 115 of this title (relating to Texas Essential Knowledge and Skills for Health Education);

(G) Chapter 116 of this title (relating to Texas Essential Knowledge and Skills for Physical Education);

(H) Chapter 117 of this title (relating to Texas Essential Knowledge and Skills for Fine Arts);

(I) Chapter 118 of this title (relating to Texas Essential Knowledge and Skills for Economics with Emphasis on the Free Enterprise System and Its Benefits);

(J) Chapter 126 of this title (relating to Texas Essential Knowledge and Skills for Technology Applications);

(K) Chapter 127 of this title (relating to Texas Essential Knowledge and Skills for Career Development); and

(L) Chapter 130 of this title (relating to Texas Essential Knowledge and Skills for Career and Technical Education);

(2) state-approved innovative courses as specified in §74.27 of this title (relating to Innovative Courses and Programs);

(3) Junior Reserve Officer Training Corps (JROTC)--one to four credits; and

(4) Driver Education--one-half credit.

(h) College Board Advanced Placement [~~advanced placement~~] and International Baccalaureate courses may be substituted as appropriate for required courses. A single College Board Advanced Placement [~~advanced placement~~] or International Baccalaureate course may not count toward more than one credit required for graduation. If a College Board Advanced Placement [~~advanced placement~~] or International Baccalaureate course is substituted for a required course, that course may not satisfy a requirement for an advanced course, but may count toward both a required course and an endorsement. College Board Advanced Placement [~~advanced placement~~] and International Baccalaureate courses may satisfy elective credit requirements.

(i) Courses offered for dual credit at or in conjunction with an institution of higher education that provide advanced academic instruction beyond, or in greater depth than, the essential knowledge and skills for the equivalent high school course required for graduation may satisfy graduation requirements, including requirements for required courses, advanced courses, and courses for elective credit as well as requirements for endorsements.

(j) A student may not be enrolled in a course that has a required prerequisite unless:

(1) the student has successfully completed the prerequisite course(s);

(2) the student has demonstrated equivalent knowledge as determined by the school district; or

(3) the student was already enrolled in the course in an out-of-state, an out-of-country, or a Texas nonpublic school and transferred to a Texas public school prior to successfully completing the course.

(k) A district may award credit for a course a student completed without meeting the prerequisites if the student completed the course in an out-of-state, an out-of-country, or a Texas nonpublic school where there was not a prerequisite.

(l) Each school district shall annually report to the TEA the names of the locally developed courses, programs, institutions of higher education, and internships in which the district's students have enrolled as authorized by the TEC, §28.002(g-1). The TEA shall make available information provided under this subsection to other districts. If a district chooses, it may submit any locally developed course for approval under §74.27 of this title as an innovative course.

§74.12. Foundation High School Program.

(a) Credits. A student must earn at least 22 credits to complete the Foundation High School Program.

(b) Core courses. A student must demonstrate proficiency in the following.

(1) English language arts--four credits. Three of the credits must consist of English I, II, and III. (Students with limited English proficiency who are at the beginning or intermediate level of English language proficiency, as defined by §74.4(d) of this title (relating to English Language Proficiency Standards), may satisfy the English I and English II graduation requirements by successfully completing English I for Speakers of Other Languages and English II for Speakers of Other Languages.) The additional credit may be selected from one full credit or a combination of two half credits from two different courses, subject to prerequisite requirements, from the following courses:

(A) English IV;

(B) Independent Study in English;

(C) Literary Genres;

(D) Creative Writing;

(E) Research and Technical Writing;

(F) Humanities;

(G) Public Speaking III;

(H) Communication Applications, which must be combined with another half credit from the other courses listed in subparagraphs (A)-(T) of this paragraph;

(I) [~~(H)~~] Oral Interpretation III;

(J) [~~(I)~~] Debate III;

(K) Independent Study in Speech;

(L) [~~(J)~~] Independent Study in Journalism;

(M) [~~(K)~~] Advanced Broadcast Journalism III;

(N) Advanced Journalism: Newspaper III;

(O) Advanced Journalism: Yearbook III;

(P) [~~(L)~~] Advanced Placement (AP) English Literature and Composition;

(Q) [~~(M)~~] International Baccalaureate (IB) Language Studies A1 Higher Level;

(R) [~~(N)~~] after the successful completion of English I, II, and III, a locally developed English language arts course or other activity, including an apprenticeship or training hours needed to obtain an industry-recognized credential or certificate that is developed pursuant to the Texas Education Code (TEC), §28.002(g-1);

(S) [~~(O)~~] Business English; and

(T) [~~(P)~~] a college preparatory [~~College Preparatory~~] English language arts [~~Language Arts~~] course that is developed pursuant to the TEC, §28.014.

(2) Mathematics--three credits. Two of the credits must consist of Algebra I and Geometry.

(A) The additional credit may be selected from one full credit or a combination of two half credits from two different courses, subject to prerequisite requirements, from the following courses or a credit selected from the courses listed in subparagraph (B) of this paragraph [~~if taken before the additional mathematics credit required for a student to earn an endorsement~~] :

(i) Mathematical Models with Applications;

(ii) Mathematical Applications in Agriculture, Food, and Natural Resources;

(iii) Digital Electronics; and

(iv) Robotics Programming and Design.

(B) The additional credit may be selected from one full credit or a combination of two half credits from two different courses, subject to prerequisite requirements, from the following courses:

(i) Algebra II;

(ii) Precalculus;

(iii) Advanced Quantitative Reasoning;

(iv) Independent Study in Mathematics;

(v) Discrete Mathematics for Problem Solving;

(vi) Algebraic Reasoning;

(vii) Statistics;

(viii) [~~(vi)~~] AP Statistics;

(ix) [~~(vii)~~] AP Calculus AB;

(x) [~~(viii)~~] AP Calculus BC;

(xi) [~~(ix)~~] AP Computer Science;

(xii) [~~(x)~~] IB Mathematical Studies Standard Level;

(xiii) [~~(xi)~~] IB Mathematics Standard Level;

(xiv) [~~(xii)~~] IB Mathematics Higher Level;

(xv) [~~(xiii)~~] IB Further Mathematics Higher Level;

(xvi) [~~(xiv)~~] Engineering Mathematics;

(xvii) [~~(xv)~~] Statistics and Risk Management;

(xviii) [~~(xvi)~~] Discrete Mathematics for Computer Science;

(xix) [~~(xvii)~~] pursuant to the TEC, §28.025(b-5), after the successful completion of Algebra II, a mathematics course endorsed by an institution of higher education as a course for which the institution would award course credit or as a prerequisite for a course for which the institution would award course credit. The Texas Education Agency (TEA) shall maintain a current list of courses offered under this subparagraph; and

(xx) [~~(xviii)~~] after the successful completion of Algebra I and Geometry, a locally developed mathematics course or other activity, including an apprenticeship or

training hours needed to obtain an industry-recognized credential or certificate that is developed pursuant to the TEC, §28.002(g-1).

(3) Science--three credits. One credit must consist of Biology, AP Biology, or IB Biology.

(A) One credit must be selected from the following laboratory-based courses:

(i) Integrated Physics and Chemistry;

(ii) Chemistry;

(iii) AP Chemistry;

(iv) IB Chemistry;

(v) Physics;

(vi) Principles of Technology;

(vii) AP Physics 1: Algebra-Based; and

(viii) IB Physics.

(B) The additional credit may be selected from one full credit or a combination of two half credits from two different courses, subject to prerequisite requirements, from the following laboratory-based courses:

(i) Chemistry;

(ii) Physics;

(iii) Aquatic Science;

(iv) Astronomy;

(v) Earth and Space Science;

(vi) Environmental Systems;

(vii) AP Biology;

(viii) AP Chemistry;

(ix) AP Physics 1: Algebra-Based;

(x) AP Physics 2: Algebra-Based;

(xi) AP Physics C;

(xii) AP Environmental Science;

(xiii) IB Biology;

(xiv) IB Chemistry;

(xv) IB Physics;

(xvi) IB Environmental Systems;

(xvii) Advanced Animal Science;

(xviii) Advanced Plant and Soil Science;

(xix) Anatomy and Physiology;

(xx) Medical Microbiology;

(xxi) Pathophysiology;

(xxii) Food Science;

(xxiii) Forensic Science;

(xxiv) Advanced Biotechnology;

(xxv) Principles of Technology;

(xxvi) Scientific Research and Design;

(xxvii) Engineering Design and Problem Solving;

(xxviii) Principles of Engineering;

(xxix) pursuant to the TEC, §28.025(b-5), after the successful completion of physics, a science course endorsed by an institution of higher education as a course for which the institution would award course credit or as a prerequisite for a course for which the institution would award course credit. The TEA shall maintain a current list of courses offered under this clause; and

(xxx) a locally developed science course or other activity, including an apprenticeship or training hours needed to obtain an industry-recognized credential or certificate that is developed pursuant to the TEC, §28.002(g-1).

(C) Credit may not be earned for both physics and Principles of Technology to satisfy science credit requirements.

(4) Social studies--three credits. Two of the credits must consist of United States History Studies Since 1877 (one credit), United States Government (one-half credit), and Economics with Emphasis on the Free Enterprise System and Its Benefits (one-half credit). The additional credit may be selected from the following courses:

(A) World History Studies;

(B) World Geography Studies; and

(C) Combined World History/World Geography.

(5) Languages other than English (LOTE)--two credits.

(A) The credits may be selected from the following:

(i) any two levels in the same language; or

(ii) two credits in computer programming languages selected from Computer Science, I, II, and III .

(iii) The provision relating to Computer Science I, II, and III in subsection (b)(5)(A)(ii) of this section applies to credits earned before September 1, 2016. Credits earned for Computer Science I, II, and III may not satisfy LOTE credit requirements on or after September 1, 2016, and may not be used to comply with subsection (b)(5)(A) of this section. The provision relating to Computer Science I, II, and III in subsection (b)(5)(A)(ii) of this section expires September 1, 2017.

(B) If a student, in completing the first credit of LOTE, demonstrates that the student is unlikely to be able to complete the second credit, the student may substitute another appropriate course as follows:

(i) Special Topics in Language and Culture; [~~or~~]

(ii) World History Studies or World Geography Studies for a student who is not required to complete both by the local district;

(iii) another credit selected from Chapter 114 of this title (relating to Texas Essential Knowledge and Skills for Languages Other Than English); or

(iv) computer programming languages.

~~[(ii) another credit selected from Chapter 110 of this title (relating to Texas Essential Knowledge and Skills for English Language Arts and Reading); Chapter 111 of this title (relating to Texas Essential Knowledge and Skills for Mathematics); Chapter 112 of this title (relating to Texas Essential Knowledge and Skills for Science); Chapter 113 of this title (relating to Texas Essential Knowledge and Skills for Social Studies); or Chapter 114 of this title (relating to Texas Essential Knowledge and Skills for Languages Other Than English); and computer programming.]~~

(C) The determination regarding a student's ability to complete the second credit of LOTE must be agreed to by:

(i) the teacher of the first LOTE credit course, the principal or designee, and the student's parent or person standing in parental relation;

(ii) the student's admission, review, and dismissal (ARD) committee if the student receives special education services under the TEC, Chapter 29, Subchapter A; or

(iii) the committee established for the student under Section 504, Rehabilitation Act of 1973 (29 United States Code, Section 794) if the student does not receive special education services under the TEC, Chapter 29, Subchapter A, but is covered by the Rehabilitation Act of 1973.

(D) A student, who due to a disability, is unable to complete two credits in the same language in a language other than English, may substitute a combination of two credits from English language arts, mathematics, science, or social studies or two credits in career and technical education or technology applications for the LOTE credit requirements. The determination regarding a student's ability to complete the LOTE credit requirements will be made by:

(i) the student's ARD committee if the student receives special education services under the TEC, Chapter 29, Subchapter A; or

(ii) the committee established for the student under Section 504, Rehabilitation Act of 1973 (29 United States Code (USC), §794) if the student does not receive special education services under the TEC, Chapter 29, Subchapter A, but is covered by the Rehabilitation Act of 1973.

(6) Physical education--one credit.

(A) The required credit may be selected from any combination of the following one-half to one credit courses:

(i) Foundations of Personal Fitness;

(ii) Adventure/Outdoor Education;

(iii) Aerobic Activities; and

(iv) Team or Individual Sports.

(B) In accordance with local district policy, the required credit may be earned through completion of any Texas essential knowledge and skills-based course that meets the requirement in subparagraph (E) of this paragraph for 100 minutes of moderate to vigorous physical activity per five-day school week and that is not being used to satisfy another specific graduation requirement.

(C) In accordance with local district policy, credit for any of the courses listed in subparagraph (A) of this paragraph may be earned through participation in the following activities:

(i) Athletics;

(ii) Junior Reserve Officer Training Corps (JROTC); and

(iii) appropriate private or commercially sponsored physical activity programs conducted on or off campus. The district must apply to the commissioner of education for approval of such programs, which may be substituted for state graduation credit in physical education. Such approval may be granted under the following conditions.

(I) Olympic-level participation and/or competition includes a minimum of 15 hours per week of highly intensive, professional, supervised training. The training facility, instructors, and the activities involved in the program must be certified by the superintendent to be of exceptional quality. Students qualifying and participating at this level may be dismissed from school one hour per day. Students dismissed may not miss any class other than physical education.

(II) Private or commercially sponsored physical activities include those certified by the superintendent to be of high quality and well supervised by appropriately trained instructors. Student participation of at least five hours per week must be required. Students certified to participate at this level may not be dismissed from any part of the regular school day.

(D) In accordance with local district policy, up to one credit for any one of the courses listed in subparagraph (A) of this paragraph may be earned through participation in any of the following activities:

(i) Drill Team;

(ii) Marching Band; and

(iii) Cheerleading.

(E) All substitution activities allowed in subparagraphs (B)-(D) of this paragraph must include at least 100 minutes per five-day school week of moderate to vigorous physical activity.

(F) Credit may not be earned more than once for any course identified in subparagraph (A) of this paragraph. No more than four substitution credits may be earned through any combination of substitutions allowed in subparagraphs (B)-(D) of this paragraph.

(G) A student who is unable to participate in physical activity due to disability or illness may substitute an academic elective credit (English language arts, mathematics, science, or social studies) or a course that is offered for credit as provided by the TEC, §28.002(g-1), for the physical education credit requirement. The determination regarding a student's ability to participate in physical activity will be made by:

(i) the student's ARD committee if the student receives special education services under the TEC, Chapter 29, Subchapter A;

(ii) the committee established for the student under Section 504, Rehabilitation Act of 1973 (29 USC, §794) if the student does not receive special education services under the TEC, Chapter 29, Subchapter A, but is covered by the Rehabilitation Act of 1973; or

(iii) a committee established by the school district of persons with appropriate knowledge regarding the student if each of the committees described by clauses (i) and (ii) of this subparagraph is inapplicable. This committee shall follow the same procedures required of an ARD or a Section 504 committee.

(7) Fine arts--one credit.

(A) The credit may be selected from the following courses subject to prerequisite requirements :

(i) Art, Level I, II, III, or IV;

(ii) Dance, Level I, II, III, or IV;

(iii) Music, Level I, II, III, or IV;

(iv) Theatre, Level I, II, III, or IV;

(v) Principles and Elements of Floral Design;

(vi) Digital Art and Animation; and

(vii) 3-D Modeling and Animation.

(B) In accordance with local district policy, credit may be earned through participation in a community-based fine arts program not provided by the school district in which the student is enrolled. The district must apply to the commissioner of education for approval of such programs, which may be substituted for state graduation credit in fine arts. Approval may be granted if the fine arts program provides instruction in the essential knowledge and skills identified for a fine arts course as defined by Chapter 117, Subchapter C, of this title (relating to High School).

(c) Elective courses--five credits. The credits must be selected from the list of courses specified in §74.11(g) , (h), or (i) of this title (relating to High School Graduation Requirements) or from a locally developed course or activity developed pursuant to the TEC, §28.002 (g-1), for which a student may receive credit and that does not satisfy a specific course requirement [~~which is not counted toward another graduation requirement~~] .

(d) Substitutions. No substitutions are allowed in the Foundation High School Program, except as specified in this chapter.

§74.13. Endorsements.

(a) A student shall specify in writing an endorsement the student intends to earn upon entering Grade 9.

(b) A district shall permit a student to enroll in courses under more than one endorsement before the student's junior year and to choose, at any time, to earn an endorsement other than the endorsement the student previously indicated. This section does not entitle a student to remain enrolled to earn more than 26 credits.

(c) A student must earn at least 26 credits to earn an endorsement.

(d) A school district may define advanced courses and determine a coherent sequence of courses for an endorsement area, provided that prerequisites in Chapters 110-118, 126, 127, and 130 of this title are followed.

(e) To earn an endorsement a student must demonstrate proficiency in the following.

(1) The curriculum requirements for the Foundation High School Program as defined by §74.12 of this title (relating to Foundation High School Program).

(2) A fourth [~~An additional~~] credit in mathematics that may be selected from one full credit or a combination of two half credits from two different courses, subject to prerequisite requirements, from the following courses:

(A) Algebra II;

(B) Precalculus;

(C) Advanced Quantitative Reasoning;

(D) Independent Study in Mathematics;

(E) Discrete Mathematics for Problem Solving;

(F) Algebraic Reasoning;

(G) Statistics;

(H) [~~(F)~~] Advanced Placement (AP) Statistics;

(I) [~~(G)~~] AP Calculus AB;

(J) [~~(H)~~] AP Calculus BC;

(K) [~~(I)~~] AP Computer Science;

(L) [~~(J)~~] International Baccalaureate (IB) Mathematical Studies Standard Level;

(M) [~~(K)~~] IB Mathematics Standard Level;

(N) [~~(L)~~] IB Mathematics Higher Level;

(O) [~~(M)~~] IB Further Mathematics Higher Level;

(P) [~~(N)~~] Engineering Mathematics;

(Q) [~~(O)~~] Statistics and Risk Management;

(R) [~~(P)~~] Discrete Mathematics for Computer Science;

(S) [~~(Q)~~] pursuant to the Texas Education Code (TEC), §28.025(b-5), after the successful completion of Algebra II, a mathematics course endorsed by an institution of higher education as a course for which the institution would award course credit or as a prerequisite for a course for which the institution would award course credit. The Texas Education Agency (TEA) shall maintain a current list of courses offered under this subparagraph; [~~and~~]

(T) [~~(R)~~] after the successful completion of Algebra I and Geometry, a locally developed mathematics course or other activity, including an apprenticeship or training hours needed to obtain an industry-recognized credential or certificate that is developed pursuant to the TEC, §28.002(g-1) ; and [~~.~~]

(U) Mathematical Models with Applications, if credit is earned prior to September 1, 2015, or September 1 of a subsequent year in which either of the courses listed in subparagraph (F) or (G) of this paragraph has been developed and approved by the State Board of Education, whichever is later.

(3) A student may complete a course listed in paragraph (2) of this subsection before or after completing a course listed in §74.12(b)(2)(A) of this title.

(4) The fourth mathematics credit may be a college preparatory mathematics course that is developed and offered pursuant to the TEC, §28.014.

[~~(3) The additional mathematics credit may be selected from one full credit or a combination of two half credits from two different courses, subject to prerequisite requirements, from the following courses if taken after the third mathematics credit required under the foundation high school program:~~]

[~~(A) Mathematical Models with Applications;~~]

[~~(B) Mathematical Applications in Agriculture, Food, and Natural Resources;~~]

[~~(C) Digital Electronics; and~~]

[~~(D) Robotics Programming and Design.~~]

(5) [~~(4)~~] An additional credit in science that may be selected from one full credit or a combination of two half credits from two different courses, subject to prerequisite requirements, from the following courses:

(A) Chemistry;

(B) Physics;

(C) Aquatic Science;

(D) Astronomy;

(E) Earth and Space Science;

(F) Environmental Systems;

(G) AP Biology;

(H) AP Chemistry;

(I) AP Physics 1: Algebra-Based;

(J) AP Physics 2: Algebra-Based;

(K) AP Physics C;

(L) AP Environmental Science;

(M) IB Biology;

(N) IB Chemistry;

(O) IB Physics;

(P) IB Environmental Systems;

(Q) Advanced Animal Science;

(R) Advanced Plant and Soil Science;

(S) Anatomy and Physiology;

(T) Medical Microbiology;

(U) Pathophysiology;

(V) Food Science;

(W) Forensic Science;

(X) Advanced Biotechnology;

(Y) Principles of Technology;

(Z) Scientific Research and Design;

(AA) Engineering Design and Problem Solving;

(BB) Principles of Engineering;

(CC) pursuant to the TEC, §28.025(b-5), after the successful completion of physics, a science course endorsed by an institution of higher education as a course for which the institution would award course credit or as a prerequisite for a course for which the institution would award course credit. The TEA shall maintain a current list of courses offered under this subparagraph;

(DD) a locally developed science course or other activity, including an apprenticeship or training hours needed to obtain an industry-recognized credential or certificate that is developed pursuant to the TEC, §28.002(g-1);

(EE) pursuant to the TEC, §28.025(c-3), a student pursuing an arts and humanities endorsement who has the written permission of the student's parent or a person standing in parental relation to the student may substitute a course selected from:

(i) Chapter 110 of this title (relating to Texas Essential Knowledge and Skills for English Language Arts and Reading);

(ii) Chapter 113 of this title (relating to Texas Essential Knowledge and Skills for Social Studies) or Chapter 118 of this title (relating to Texas Essential Knowledge and Skills for Economics with Emphasis on the Free Enterprise System and Its Benefits);

(iii) Chapter 114 of this title (relating to Texas Essential Knowledge and Skills for Languages Other Than English); or

(iv) Chapter 117 of this title (relating to Texas Essential Knowledge and Skills for Fine Arts); and

(FF) credit may not be earned for both physics and Principles of Technology to satisfy science credit requirements.

(6) [~~(5)~~] Two additional elective credits that may be selected from the list of courses specified in §74.11(g), (h), or (i) of this title (relating to High School Graduation Requirements).

(f) A student may earn any of the following endorsements.

(1) Science, technology, engineering, and mathematics (STEM). A student may earn a STEM endorsement by completing the requirements specified in subsection (e) of this section, including Algebra II, chemistry, and physics and:

(A) a coherent sequence of [~~three or more~~] courses for four or more credits in career and technical education (CTE) that consists of [~~includes~~] at least two courses in the same career cluster, including [~~and~~] at least one advanced CTE course, which includes any course that is the third or higher course in a sequence. The courses may be selected from Chapter 130 of this title (relating to Texas Essential Knowledge and Skills for Career and Technical Education), Chapter 127 of this title (relating to Texas Essential Knowledge and Skills for Career Development), or CTE innovative courses approved by the commissioner of education. The final course in the sequence must be obtained [~~selected~~] from one of the CTE career clusters listed in Chapter 130, Subchapter O, of this title (relating to Science, Technology, Engineering, and Mathematics); or [~~the following:~~]

[~~(i) Chapter 130, Subchapter H, of this title (relating to Health Science); or~~]

[~~(ii) Chapter 130, Subchapter O, of this title (relating to Science, Technology, Engineering, and Mathematics); or~~]

(B) a coherent sequence of four credits [~~courses~~] in computer science selected from the following: [~~by selecting courses from Chapter 126 of this title (relating to Texas Essential Knowledge and Skills for Technology Applications) and Computer Programming and Advanced Computer Programming courses from Chapter 130 of this title (relating to Texas Essential Knowledge and Skills for Career and Technical Education); or~~]

(i) Fundamentals of Computer Science; or

(ii) Computer Science I; or

(iii) Computer Science II; or

(iv) Computer Science III; or

(v) Digital Forensics; or

(vi) Discrete Mathematics for Computer Science; or

(vii) Game Programming and Design; or

(viii) Mobile Application Development; or

(ix) Robotics Programming and Design; or

(x) Independent Studies in Technology Applications; or

(xi) AP Computer Science; or

(xii) IB Computer Science, Standard Level; or

(xiii) IB Computer Science, Higher Level; or

(C) three [~~four~~] credits in mathematics by successfully completing Algebra II and two [~~three~~] additional mathematics courses for which Algebra II is a prerequisite by selecting courses from subsection (e)(2) of this section; or

(D) four credits in science by successfully completing chemistry, physics , and two [~~three~~] additional science courses by selecting courses from subsection (e)(5) [~~(e)(4)~~] of this section; or [~~.~~]

(E) in addition to Algebra II, chemistry, and physics, a coherent sequence of three additional credits from no more than two of the categories or disciplines represented by subparagraphs (A), (B), (C), and (D) of this paragraph.

(2) Business and industry. A student may earn a business and industry endorsement by completing the requirements specified in subsection (e) of this section and:

(A) a coherent sequence of [~~three or more~~] courses for four or more credits in CTE that consists of [~~includes~~] at least two courses in the same career cluster , including [~~and~~] at least one advanced CTE course, which includes [~~may include~~] any course that is the third or higher course in a sequence. The courses may be selected from Chapter 130 of this title, Chapter 127 of this title, or CTE innovative courses approved by the commissioner. The final course in the sequence must be obtained from one of the CTE career clusters listed in the following:

(i) Chapter 130, Subchapter A, of this title (relating to Agriculture, Food, and Natural Resources); or

(ii) Chapter 130, Subchapter B, of this title (relating to Architecture and Construction); or

(iii) Chapter 130, Subchapter C, of this title (relating to Arts, Audio/Video Technology, and Communications); or

(iv) Chapter 130, Subchapter D, of this title (relating to Business Management and Administration); or

(v) Chapter 130, Subchapter F, of this title (relating to Finance); or

(vi) Chapter 130, Subchapter I, of this title (relating to Hospitality and Tourism); or

(vii) Chapter 130, Subchapter K, of this title (relating to Information Technology); or

(viii) Chapter 130, Subchapter M, of this title (relating to Manufacturing); or

(ix) Chapter 130, Subchapter N, of this title (relating to Marketing); or

(x) Chapter 130, Subchapter P, of this title (relating to Transportation, Distribution, and Logistics); or

(B) four English elective credits by selecting courses from Chapter 110 of this title to include three levels in one of the following areas:

[~~(i) advanced broadcast journalism; or~~]

[~~(ii) newspaper; or~~]

(i) [~~(iii)~~] public speaking; or

(ii) [~~(iv)~~]debate ; or [~~.~~]

(iii) advanced broadcast journalism; or

(iv) advanced journalism: newspaper; or

(v) advanced journalism: yearbook; or

(C) four technology applications credits by selecting from the following:

(i) Digital Design and Media Production; or

(ii) Digital Art and Animation; or

(iii) 3-D Modeling and Animation; or

(iv) Digital Communications in the 21st Century; or

(v) Digital Video and Audio Design; or

(vi) Web Communications; or

(vii) Web Design; or

(viii) Web Game Development; or

(ix) Independent Study in Evolving/Emerging Technologies; or

(D) a coherent sequence of four credits from subparagraph (A), (B), or (C) of this paragraph.

(3) Public services. A student may earn a public services endorsement by completing the requirements specified in subsection (e) of this section and:

(A) a coherent sequence of [~~three or more~~] courses for four or more credits in CTE that consists of [~~includes~~] at least two courses in the same career cluster , including [~~and~~] at least one advanced CTE course , which includes any course that is the third or higher course in a sequence . The courses may be selected from Chapter 130 of this title, Chapter 127 of this title, or CTE innovative courses approved by the commissioner. The final course in the sequence must be obtained [~~selected~~] from one of the CTE career clusters listed in the following:

(i) Chapter 130, Subchapter E, of this title (relating to Education and Training); or

(ii) Chapter 130, Subchapter G, of this title (relating to Government and Public Administration); or

(iii) Chapter 130, Subchapter H, of this title (relating to Health Science); or

(iv) [~~(iii)~~] Chapter 130, Subchapter J, of this title (relating to Human Services); or

(v) [~~(iv)~~] Chapter 130, Subchapter L, of this title (relating to Law, Public Safety, Corrections, and Security); or

(B) four courses in Junior Reserve Officer Training Corps (JROTC).

(4) Arts and humanities. A student may earn an arts and humanities endorsement by completing the requirements specified in subsection (e) of this section and:

(A) five [~~four~~] social studies courses by selecting courses from Chapter 113 of this title or Chapter 118 of this title (relating to Texas Essential Knowledge and Skills for Economics with Emphasis on the Free Enterprise System and Its Benefits); or

(B) four levels of the same language in a language other than English by selecting courses in accordance with Chapter 114 of this title; or

(C) two levels of the same language in a language other than English and two levels of a different language in a language other than English by selecting courses in accordance with Chapter 114 of this title; or

(D) four levels of American sign language by selecting courses in accordance with Chapter 114 of this title; or

(E) a coherent sequence of four credits by selecting courses from one or two categories or disciplines in fine arts from Chapter 117 of this title or innovative courses approved by the commissioner ; or [.]

(F) four English elective credits by selecting from the following:

(i) English IV; or

(ii) Independent Study in English; or

(iii) Literary Genres; or

(iv) Creative Writing; or

(v) Research and Technical Writing; or

(vi) Humanities; or

(vii) Communication Applications; or

(viii) AP English Literature and Composition; or

(ix) IB Language Studies A1 Higher Level.

(5) Multidisciplinary studies. A student may earn a multidisciplinary studies endorsement by completing the requirements specified in subsection (e) of this section and:

(A) four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in a coherent sequence; or

(B) four credits in each of the four foundation subject areas to include English IV and chemistry and/or physics; or

(C) four credits in Advanced Placement, [~~advanced placement or~~] International Baccalaureate , or dual credit selected from English, mathematics, science, social studies, economics, languages other than English, or fine arts [~~courses to include one credit in each of the four foundation subjects~~] .

(g) A course completed as part of the set of four courses needed to satisfy an endorsement requirement may also satisfy a requirement under §74.12(b) and (c) of this title, including an elective requirement.

§74.14. Performance Acknowledgments.

(a) A student may earn a performance acknowledgment on the student's diploma and transcript for outstanding performance in a dual credit course by successfully completing:

(1) at least 12 hours of college academic courses, including those taken for dual credit as part of the Texas core curriculum, and advanced technical credit courses, including locally articulated courses, with a grade of the equivalent of 3.0 or higher on a scale of 4.0; or

(2) an associate degree while in high school.

(b) A student may earn a performance acknowledgment on the student's diploma and transcript for outstanding performance in bilingualism and biliteracy as follows.

(1) A student may earn a performance acknowledgment by demonstrating proficiency in accordance with local school district grading policy in two or more languages by:

(A) completing all English language arts requirements and maintaining a minimum grade point average (GPA) of the equivalent of 80 on a scale of 100; and

(B) satisfying one of the following:

(i) completion of a minimum of three credits in the same language in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or

(ii) demonstrated proficiency in the Texas Essential Knowledge and Skills for Level IV or higher in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or

(iii) completion of at least three credits in foundation subject area courses in a language other than English with a minimum GPA of 80 on a scale of 100; or

(iv) demonstrated proficiency in one or more languages other than English through one of the following methods:

(I) a score of 3 or higher on a College Board Advanced Placement [~~advanced placement~~] examination for a language other than English; or

(II) a score of 4 or higher on an International Baccalaureate examination for a higher-level languages other than English course; or

(III) performance on a national assessment of language proficiency in a language other than English of at least Intermediate High or its equivalent .

(2) In addition to meeting the requirements of paragraph (1) of this subsection, to earn a performance acknowledgment in bilingualism and biliteracy, an English language learner must also have:

(A) participated in and met the exit criteria for a bilingual or English as a second language (ESL) program; and

(B) scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS).

(c) A student may earn a performance acknowledgment on the student's diploma and transcript for outstanding performance on a College Board Advanced Placement [~~advanced placement~~] test or International Baccalaureate examination by earning:

(1) a score of 3 or above [~~4 or 5~~] on a College Board Advanced Placement [~~advanced placement~~] examination; or

(2) a score of 4 [~~5~~] or above on an International Baccalaureate examination [~~for a higher-level course~~] .

(d) A student may earn a performance acknowledgment on the student's diploma and transcript for outstanding performance on the PSAT®, the ACT-PLAN®, the SAT®, or the ACT® by:

(1) earning a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, as part of the National Hispanic Recognition Program (NHRP) of the College Board or as part of the National Achievement Scholarship Program of the National Merit Scholarship Corporation;

(2) achieving the college readiness benchmark score on at least two of the four subject tests on the ACT-PLAN® examination;

(3) earning a combined critical reading and mathematics score of at least 1250 on the SAT®; or

(4) earning a composite score on the ACT® examination of 28 (excluding the writing subscore).

(e) A student may earn a performance acknowledgment on the student's diploma and transcript for earning a nationally or internationally recognized business or industry certification or license as follows [~~with~~] :

(1) A student may earn a performance acknowledgment with:

(A) [~~(1)~~] performance on an examination or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification; or

(B) [~~(2)~~] performance on an examination sufficient to obtain a government-required credential to practice a profession.

(2) Nationally or internationally recognized business or industry certification shall be defined as an industry validated credential that complies with knowledge and skills standards promulgated by a nationally or internationally recognized business, industry, professional, or government entity representing a particular profession or occupation that is issued by or endorsed by:

(A) a national or international business, industry, or professional organization;

(B) a state agency or other government entity; or

(C) a state-based industry association.

(3) Certifications or licensures for performance acknowledgements shall:

(A) be age appropriate for high school students;

(B) represent a student's substantial course of study and/or end-of-program knowledge and skills;

(C) include an industry recognized examination or series of examinations, an industry validated skill test, or demonstrated proficiency through documented, supervised field experience; and

(D) represent substantial knowledge and multiple skills needed for successful entry into a high-skill occupation.