Hudson High School
Course Selection Guide
2015-2016

Plan Your Future!

Including: Graduation Requirements, Policies and Procedures, and General Academic Information

(As of August 2015)
HUDSON INDEPENDENT SCHOOL DISTRICT

Mary Ann Whiteker, Superintendent
Donny Webb, Assistant Superintendent

HUDSON HIGH SCHOOL
6735 Ted Trout Drive
Lufkin, TX 75904
936/875-9232

http://www.youtube.com/watch?v=rWL5F52jmYw&feature=youtu.be

John Courtney, Principal
Jeff Walker, Associate Principal
April Lopez, Assistant Principal
Karen Rosser, 11th and 12th grade Counselor
Brandie Knight, 10th grade Counselor
Belisa Haas, 9th grade Counselor
Gayle Sims, Go-Center Coordinator
P.T. Walters, Director of Career and Technology (CTE)

Wendy Davis, High School Principal’s Secretary
Karen King, Secretary to Counselors
Jenny Huggins, High School Receptionist

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*Amendments to current board policy, administrative policy, and state law may affect the contents of this document.

Please note that this document is a work in progress and updates and changes may be found online on the Hudson ISD website

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</tr>
</tbody>
</table>
INTRODUCTION

The purpose of the CSG is to provide a list and description of courses currently offered in the curriculum of Hudson High School. Students, parents, counselors, and other school staff may utilize the CSG to plan students’ individual educational program for their high school years. Some elective courses may not be offered every year.

For each course, the guide provides the title, grade placement, credit value, prerequisites, and a brief description of the content. Courses are considered regular or standard curriculum unless otherwise stated. Additional sections of the guide contain a summary of Hudson High School graduation requirements, grade classification requirements, and other information, which may be useful to a student or parent.

Other than courses taken at Hudson High School, students who meet the required conditions may also earn credit in the following ways:

- Advanced Placement Exams
- Dual credit courses through Angelina College or an approved TxVSN provider
- Correspondence courses through Texas Tech University
- Credit by Exam through Texas Tech University or Region 7 ESC
- College Level Examination Program (CLEP)
- Courses taken during middle school
- Online courses through Texas Tech University
- Available classes can be found at: www.depts.ttu.edu/ode/ec2k/heading.asp

Students and parents are responsible for knowing requirements for graduation. Any questions should be addressed to the counselors or administration.
CLASSIFICATION OF STUDENTS

Students are assigned to specific grade levels when they have earned the appropriate number of credits. Students will be placed in the proper grade at the beginning of the school year. They will remain in that grade level and participate in the activities of that grade level for the remainder of the school year. Senior status will be individually determined based upon expected graduation date. Students falling behind in credits may be required to attend summer school and/or enroll in HHS Credit Recovery Program to earn additional credits. (*Principal discretion for students on Min Plan)

- Freshman ................................. Promotion to 9th grade
  or 0 – 5.5 credits
- Sophomore ............................... 6 – 12.5 credits
- Junior ................................. 13 - 18.5 credits
- Senior ................................. 19 or more credits

GRADUATION PROGRAMS

A student entering Grade 9 in the 2007-2008 school year through the 2012-2013 school year, shall enroll in the courses necessary to complete the curriculum requirements for the Recommended High School Program or the Distinguished Achievement High School Program unless the student, the student’s parent or other persons standing in parental relation to the student, and a school counselor or school administrator agree that the student should be permitted to take courses under the Minimum High School Program. Please check with the counselor for appropriate forms and program requirements.

The State of Texas seeks to recognize those students with exceptional achievement in high school. The Distinguished Achievement Program is for those students whose accomplishments are of such caliber as to be acknowledged on a national level. This program requires completing the Recommended Plan, taking one additional credit in foreign language, specific math and science requirements (see counselor for details), meeting state requirements on state assessments, and completing four Advanced Measures in any combination:

1. Test data where a student receives:
   a. A score of three or above on a College Board advanced placement examination; or
   b. A score on the Preliminary Scholastic Assessment Test (PSAT) that qualifies a student 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 Negro Students of the National Merit Scholarship Corporation.

2. Dual/Concurrent College Course - a grade of 3.0 (Grade of B) or higher on courses that count for college credit including a tech prep program. A student entering grade 9 in the 2013-2014 school year and thereafter shall enroll in the courses necessary to complete the curriculum requirements for the Foundation Graduation Plan with Endorsement or the Distinguished Graduation Plan with Endorsement in accordance with HB 5. Upon completion of the 10th grade, students and parents may request a change in graduation plan to the Foundation Plan. This decision will be made along with a school counselor or administrator. Please check with the counselor for the appropriate forms and program requirements. All students must meet state requirements on the five state assessments.

The Distinguished Graduation Plan with Endorsement is for those students who have chosen to include Algebra 2 as a part of their graduation plan. Students graduating under the Distinguished Graduation Plan with Endorsement may qualify for automatic admission to Texas colleges if they are ranked in the top 10% of their graduating class.

CAREER ACADEMIES

Students will select a career academy according to their interest and be recognized upon graduation according to their academic selection. The following is the mission statement for Hudson High School Career Academies:

To empower students by developing and designing a relevant and engaging program of study through an elevated use of technology, utilizing a Career Academy Model that leads to post-secondary college and/or career training, resulting in success for every student.

Specific course requirements and a listing of these career academies are located just before the course descriptions listed in this document.

TEXAS SCHOLARS - High School and Beyond

Texas Scholars is an initiative of Texas Business and Education Coalition (TBEC). It is a community based initiative through which volunteers and educators work together to motivate students to take a more purposeful approach in high school, and plan for and work toward a career of their choosing after high school. To receive recognition as a Texas Scholar, students will be required to:

• Graduate from high school having completed the Recommended High School Program, and
• Complete at least two courses while in high school eligible for college credit

Students are designated as “Texas Scholars” on their transcripts upon graduation and completion of the above requirements. Find out more information about Texas Scholars at www.texasscholars.org

The following page is a Summary of Graduation Requirements as updated in January 2010 for students entering grade 9 in the school year of 2007-2008 through 2012-2013:

<table>
<thead>
<tr>
<th>Subject Area</th>
<th>Recommended Plan</th>
<th>Distinguished Achievement Plan</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>Four credits to include: English 1,2,3,4</td>
<td>Four credits to include: English 1,2,3,4</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Four credits to include:</td>
<td>Four credits to include:</td>
</tr>
<tr>
<td></td>
<td>• Algebra 1</td>
<td>• Algebra 1</td>
</tr>
<tr>
<td></td>
<td>• Geometry</td>
<td>• Geometry</td>
</tr>
<tr>
<td></td>
<td>• Algebra 2</td>
<td>• Algebra 2</td>
</tr>
<tr>
<td></td>
<td>The fourth credit may be:</td>
<td>The fourth credit may be:</td>
</tr>
<tr>
<td></td>
<td>• Mathematical Models with Applications, only if taken before Algebra 2.</td>
<td>• Pre-Calculus</td>
</tr>
<tr>
<td></td>
<td>• Pre-Calculus</td>
<td>• Independent Study in Mathematics (dual credit courses)</td>
</tr>
<tr>
<td></td>
<td>• Independent Study in Mathematics (dual credit courses)</td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td>Four credits to include:</td>
<td>Four credits to include:</td>
</tr>
<tr>
<td></td>
<td>• Biology</td>
<td>• Biology</td>
</tr>
<tr>
<td></td>
<td>• Chemistry</td>
<td>• Chemistry</td>
</tr>
<tr>
<td></td>
<td>• Physics</td>
<td>• Physics</td>
</tr>
<tr>
<td></td>
<td>The additional credit may be IPC but must be successfully completed prior to</td>
<td>Only after successful completion of Biology, Chemistry, and Physics, the fourth credit may be</td>
</tr>
<tr>
<td></td>
<td>Chemistry and Physics</td>
<td>selected from:</td>
</tr>
<tr>
<td></td>
<td>The fourth credit may be selected from:</td>
<td>• Earth and Space Science</td>
</tr>
<tr>
<td></td>
<td>• Earth and Space Science</td>
<td>• Advanced Animal Science</td>
</tr>
<tr>
<td></td>
<td>• Advanced Animal Science</td>
<td>• Anatomy and Physiology</td>
</tr>
<tr>
<td></td>
<td>• Anatomy and Physiology</td>
<td>• Advanced Biotechnology</td>
</tr>
<tr>
<td></td>
<td>• Advanced Biotechnology</td>
<td>• Forensic Science</td>
</tr>
<tr>
<td></td>
<td>• Forensic Science</td>
<td>• Scientific Research and Design (dual credit courses)</td>
</tr>
<tr>
<td></td>
<td>• Scientific Research and Design</td>
<td></td>
</tr>
<tr>
<td>Social Studies</td>
<td>Four credits to include:</td>
<td>Four credits to include:</td>
</tr>
<tr>
<td></td>
<td>• World Geography</td>
<td>• World Geography</td>
</tr>
<tr>
<td></td>
<td>• World History</td>
<td>• World History</td>
</tr>
<tr>
<td></td>
<td>• US History</td>
<td>• US History</td>
</tr>
<tr>
<td></td>
<td>• Government/Economics</td>
<td>• Government/Economics</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>Two credits in same language</td>
<td>Three credits in same language</td>
</tr>
</tbody>
</table>
| **Physical Education** | **One** credit from the following:  
  - Foundations of personal fitness  
  - Team or Individual Sports The classes listed above may not be taken more than once with credit awarded.  
  Credit for any course listed above may be earned through participation in the following activities:  
  - Athletics (up to 4 credits)  
  - Drill Team (only 1 credit)  
  - Marching band (only 1 credit)  
  - Cheerleading (only 1 credit) | **One** credit from the following:  
  - Foundations of personal fitness  
  - Team or Individual Sports The classes listed above may not be taken more than once with credit awarded.  
  Credit for any course listed above may be earned through participation in the following activities:  
  - Athletics (up to 4 credits)  
  - Drill Team (only 1 credit)  
  - Marching band (only 1 credit)  
  - Cheerleading (only 1 credit) |
| **Speech** | **One-half** credit from either:  
  - Communications Applications  
  - Professional Communications | **One-half** credit from either:  
  - Communications Applications  
  - Professional Communications |
| **Fine Arts** | **One** credit from:  
  Art, Music, Theatre, Band | **One** credit from:  
  Art, Music, Theatre, Band |
| **Elective Courses** | **Five and one-half** credits | **Four and one-half** credits |
| **Total Credits** | **26** | **26** |
The following page is a Summary of Graduation Requirements for students entering grade 9 in the year of 2013-2014 and thereafter:

<table>
<thead>
<tr>
<th>Foundation Plan – 22 Credits</th>
<th>Endorsements – 26 Credits</th>
<th>Distinguished – 26 Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Requirements:</td>
<td>Requirements:</td>
<td>Requirements:</td>
</tr>
<tr>
<td>English Language Arts - 4  Credits</td>
<td>• Foundation Program</td>
<td>• Foundation Program</td>
</tr>
<tr>
<td>English I</td>
<td>• Proper course selection to meet the following areas :</td>
<td>• At least one endorsement</td>
</tr>
<tr>
<td>English II</td>
<td>STEM</td>
<td>• Algebra II must be included</td>
</tr>
<tr>
<td>English III</td>
<td>STEM Math - 2 Math credits after Algebra 2</td>
<td></td>
</tr>
<tr>
<td>Advanced English</td>
<td>or</td>
<td>Eligible for top 10% Automatic Admission</td>
</tr>
<tr>
<td>Mathematics - 3 Credits</td>
<td>STEM Science - 2 Science credits after chemistry and physics</td>
<td></td>
</tr>
<tr>
<td>Algebra I</td>
<td>Business and Industry</td>
<td></td>
</tr>
<tr>
<td>Geometry</td>
<td>1 Math credit</td>
<td></td>
</tr>
<tr>
<td>Advanced Math</td>
<td>1 Science credit</td>
<td></td>
</tr>
<tr>
<td>Social Studies - 3 Credits</td>
<td>Arts and Humanities</td>
<td></td>
</tr>
<tr>
<td>World History Studies</td>
<td>1 Math credit</td>
<td></td>
</tr>
<tr>
<td>US History</td>
<td>1 Science credit</td>
<td></td>
</tr>
<tr>
<td>Government</td>
<td>Public Services</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>1 Math credit</td>
<td></td>
</tr>
<tr>
<td>Science - 3 Credits</td>
<td>1 Science credit</td>
<td></td>
</tr>
<tr>
<td>IPC or Advanced Science</td>
<td>Multidisciplinary Studies</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>1 Math credit</td>
<td></td>
</tr>
<tr>
<td>Advanced Science</td>
<td>1 Science credit</td>
<td></td>
</tr>
<tr>
<td>Foreign Language or</td>
<td>Additional Credits:</td>
<td></td>
</tr>
<tr>
<td>Substitute – 2 credits</td>
<td>Electives - 2 Credits</td>
<td></td>
</tr>
<tr>
<td>Year 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Year 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fine Arts - 1 Credit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fine Arts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical Education – 1 credit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electives - 5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

A specific speech course is not required; however, in order to receive a high school diploma, a student must demonstrate proficiency, as determined by the district in which the student is enrolled. At Hudson High School, this requirement will be fulfilled in English 3.
MANDATORY STATE ASSESSMENT

For students enrolled in 9th grade prior to 2011-2012:
The Texas Assessment of Knowledge and Skills (TAKS) is a criterion-referenced test that measures a student’s achievement in reading, mathematics, writing, science, and social studies. These tests reflect a close alignment with the state’s curriculum standards, the mastery of which is essential to all Texas students. For more clarification regarding objectives, please contact your child’s teacher or visit the TEA website: www.tea.state.tx.us

- Grade 9-reading and math
- Grade 10-English language arts, mathematics, science, & social studies
- Exit (Grade 11)  o English language arts: including at least English III and writing.
  o Mathematics: including at least Algebra I and Geometry
  o Science: including at least Biology and Integrated Physics & Chemistry (IPC)

Students are required to pass all sections of the exit level test to meet graduation requirements. The first time students can take the exit level test is in the spring of 11th grade. If unsuccessful on one or more parts of this test the first time, he/she will retake that part again whenever it is given.

For students enrolled in 9th grade in 2011-2012 and thereafter:
The State of Texas Assessment of Academic Readiness (STAAR) consisting of specific End of Course (EOC) assessments is required. To graduate, students must achieve a scale score that indicates Satisfactory Performance. Students are required to earn a satisfactory score on the following STAAR tests: English I, English II, Algebra I, Biology, and US History.
COURSE GRADING SCALE

Numerical grades are entered on the report card and academic achievement record (transcript). A student may determine his letter grade by comparing his numerical grade to the following scale.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Numerical Equivalents</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>97, 98, 99, 100</td>
</tr>
<tr>
<td>A</td>
<td>93, 94, 95, 96</td>
</tr>
<tr>
<td>A-</td>
<td>90, 91, 92</td>
</tr>
<tr>
<td>B+</td>
<td>87, 88, 89</td>
</tr>
<tr>
<td>B</td>
<td>83, 84, 85, 86</td>
</tr>
<tr>
<td>B-</td>
<td>80, 81, 82</td>
</tr>
<tr>
<td>C+</td>
<td>79, 78, 77</td>
</tr>
<tr>
<td>C</td>
<td>76, 75, 74, 73</td>
</tr>
<tr>
<td>C-</td>
<td>72, 71, 70</td>
</tr>
<tr>
<td>F</td>
<td>69 and below</td>
</tr>
</tbody>
</table>

TRANSCRIPTS

Transcripts are the Academic Achievement Records used by colleges and universities to determine eligibility of students to enroll in their school or to receive scholarships. A request for a transcript should be made at least two (2) days in advance of when it is needed. (see example on next page)

**Current students will be allowed three (3) transcripts without a fee. A $2 fee will be charged for additional transcripts.**

Transcript Codes:

- A=Tech. Prep. Course
- D=Dual Credit Course
- E=Credit by Examination
- H=Honors Course
- J=HS Credit received prior to 9th Grade
- L=Local Credit
- P=Advanced Placement Course
- Q=Pre-Adv. Placement Course
- R=Summer School Course
- X=Innovative Course
- W=PE Waiver
CURRICULUM: AP, PRE-AP, ADVANCED, REGULAR

The basis of the ranking system is a multi-level academic curriculum. Courses shall be designed as Advanced Placement, Pre-Advanced Placement, Advanced, Dual credit, Regular, or Basic.

**Advanced Placement Curriculum**
An Advanced Placement (AP) course is a Texas Education Agency approved course designed for students with exceptional abilities and high motivation who wish to receive both high school and college credit for a course. These courses are very rigorous and require students to assume responsibility for in-depth and/or independent study because they are taught at or beyond the college level. At the end of the course, students must pass an AP Exam, at student’s expense, to receive college credit *. Hudson HS has adopted an open enrollment policy for AP courses. Students who complete the course and take the AP exam will receive an additional ten (10) points in the calculation of grade point average (GPA) for the course. Students must have parent permission and sign a commitment statement to enroll.

*Note: Any reference to college credit being earned is dependent upon the particular college students choose and their discretion to award credit.

**Advanced Curriculum and Pre-Advanced Placement**
Advanced and Pre-Advanced Placement courses are challenging and enlightening academic courses that teach above the standard curriculum and require students to assume responsibility for in-depth and/or independent study. The advanced curriculum and Pre-Advanced Placement courses require the student to be exceptionally capable and highly motivated. Students must meet specific criteria to qualify for these courses. Advanced courses require an 80 or above overall average in a previously taken advanced course, a 90 or above overall average in a regular course in the same subject area or approval through an administrative decision. Example: A student in a regular history course must have a 90 or better overall average in that course to be placed in an advanced history course. A student in an advanced history course must have an 80 or above overall average to be placed in an advanced history course. Pre-Advanced Placement courses require parent permission and a signed commitment statement to enroll. When computing grade point average (GPA), students will receive an additional ten (10) points in the configuration of their GPA. Because of the difficulty level and additional course requirements, it is strongly recommended that students give serious consideration to the number of advanced courses taken.
**Regular Curriculum**
The Regular curriculum provides an opportunity for each student to achieve mastery of essential skills as outlined by the Texas Education Agency (TEA). These courses include academic, life enrichment, and vocational and technical skills. Courses are regular curriculum unless otherwise stated. All summer school courses will be classified as regular curriculum unless it is a dual credit course.

**Dual/Concurrent Curriculum**
Dual/Concurrent courses are offered through Angelina College or through an approved Texas Virtual School Network provider and are taken during the student’s Junior and/or Senior year. These courses are taught at the Angelina College campus or through an online format. Students must fill out an application and meet the requirements set by the respective program and HISD to participate in these courses. When computing grade point average (GPA), students will receive an additional ten (10) points in the calculation of their GPA for dual credit courses only. Students must meet eligibility requirements. Please see your child’s counselor for specific information.

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intro to Sociology</td>
<td>Soci 1301</td>
</tr>
<tr>
<td>General Psychology</td>
<td>Psyc 2301</td>
</tr>
<tr>
<td>Art Appreciation</td>
<td>Arts 1301</td>
</tr>
<tr>
<td>Music Appreciation</td>
<td>Musi 1306</td>
</tr>
<tr>
<td>Intro to Theatre</td>
<td>Dram 1310</td>
</tr>
<tr>
<td>Public Speaking</td>
<td>Spch 1315</td>
</tr>
<tr>
<td>Interpersonal Communication</td>
<td>Spch 1318</td>
</tr>
<tr>
<td>US History to 1877</td>
<td>Hist 1301</td>
</tr>
<tr>
<td>US History from 1877</td>
<td>Hist 1302</td>
</tr>
<tr>
<td>Composition 1</td>
<td>Engl 1301</td>
</tr>
<tr>
<td>Comp 2 and Lit</td>
<td>Engl 1302</td>
</tr>
<tr>
<td>British Literature</td>
<td>Engl 2322</td>
</tr>
<tr>
<td>American Literature</td>
<td>Engl 2327</td>
</tr>
<tr>
<td>US Government</td>
<td>Govt 2305</td>
</tr>
<tr>
<td>Texas Government</td>
<td>Govt 2306</td>
</tr>
<tr>
<td>General A&amp;P</td>
<td>Biol 2404</td>
</tr>
<tr>
<td>College Physics</td>
<td>PHYS 1401/1402</td>
</tr>
<tr>
<td>College Algebra</td>
<td>Math 1314</td>
</tr>
<tr>
<td>College Algebra for Sci Maj</td>
<td>Math 1414</td>
</tr>
<tr>
<td>Elementary Statistics</td>
<td>Math 1342</td>
</tr>
<tr>
<td>Math for Business Majors</td>
<td>1324/1325</td>
</tr>
<tr>
<td>Zoology</td>
<td>1413</td>
</tr>
</tbody>
</table>
GRADE POINT AVERAGE (GPA)
(For students who entered 9th grade in 2008-2009 and thereafter)

Academic honors for graduation shall be determined by cumulative grade point average calculated two weeks prior to graduation using grades from the last completed grading cycle. All courses that are or may be used to satisfy state graduation requirements will be used in the computation of GPA. This will include credit by examination, CLEP exams, correspondence, dual-credit, or on-line courses pre-approved by the campus administration. Credit recovery courses and courses that receive only a pass/fail grade will not apply.

Please note: Since GPA calculation does include dual credit grades, official GPA rankings cannot be completed prior to receipt of grades from participating institutions.

CLASS RANK

Class rank is used to determine Valedictorian, Salutatorian, admission to a university, and by scholarship committees to award scholarships. It is based on the grade point average and how each student compares to other students in the same grade. Students are often listed as the top ten percent, the top twenty-five percent, the top fifty percent, etc.

Students use class rank when applying for scholarships and admission to colleges. Class rank will be figured when GPA is calculated.

Valedictorian and Salutatorian will be officially determined when final GPA is calculated. Students must be enrolled and attend Hudson High School for a minimum of two (2) years, both 11th and 12th grades, to be eligible for Valedictorian or Salutatorian.
THE SIX-YEAR PLAN

The Six Year Plan, when completed by a student, becomes a guide students use to ensure they meet all graduation requirements and prepare for education or work beyond high school. Therefore, students should carefully plan their six year program to ensure that all the courses they take will:

• Fulfill all of the requirements for high school graduation.
• Help achieve future career goals.
• Provide the academics or skills needed to continue in further education or training to pursue chosen career.

Students and their parents are encouraged to review the six-year plan annually and revise it when necessary to meet changing career goals. The counselors are available throughout the year for conferences to assist students with educational planning for their careers.

After carefully studying the requirements for graduation and thoughtfully considering their career goals, each student should, with the help of counselors and parents, be prepared to make wise decisions in planning a high school program that will prepare them for further education or training after graduation.

Students will complete their six-year plans at the beginning of high school and update them annually.

Additional information regarding Six Year Plans:
What is Achieve Texas?

Welcome to Achieve Texas which is a new education initiative designed to prepare students for a lifetime of success. It allows students to achieve excellence by preparing them for secondary and postsecondary opportunities, career preparation and advancement, meaningful work, and active citizenship.

Achieve Texas is designed to help students (and their parents) make wise education choices. It is based on the belief that the curricula of the 21st century should combine rigorous academics with relevant career education. When schools integrate academic and technical education, students can see the “usefulness” of what they are learning. The system also facilitates a seamless transition from secondary to postsecondary opportunities.

This initiative uses the sixteen federally defined Career Clusters of the States’ Career Clusters initiative (www.careerclusters.org) as the foundation for restructuring how schools arrange their instructional programs. A Career Cluster is a grouping of occupations and broad industries based on commonalities. The sixteen Career Clusters provide an organizing tool for schools, small learning communities, academies, and magnet schools. Career programs of study (POS) have been developed for each of the Career Clusters. The POS represent a recommended sequence of coursework based on a student’s interest or career goal.

For more information visit www.achievetexas.org or www.tea.state.tx.us/cte.

For further information, please check out:
Career Clusters available at Hudson High School:

The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plan and animal products/resources.

Careers in designing, planning, managing, building and maintaining the built environment

Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services

Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy

Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development

Preparing individuals for employment in career pathways that relate to families and human needs


Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services
**Hudson Go-Center**
*College/Career Counseling*

The purpose of the Hudson High School Go-Center is to help students prepare for post-secondary instruction. All seniors will be involved in activities of the GoCenter. Freshmen, Sophomores, and Juniors are always welcome in the GoCenter as well, and are highly encouraged to begin planning early for their education after high school.

The Go-Center is open daily from 11:00 AM – 4:00 PM. Scheduling an appointment is not required, please stop by anytime during these hours.

**Things to do in the GO center:**
- Register for SAT/ACT
- Check out materials to prepare for SAT/ACT
- Check out materials for TSI
- Contact colleges with questions about admission, registration, orientation, etc.
- Apply for colleges via [www.applytexas.org](http://www.applytexas.org)
- Mail correspondence to colleges
- Look at brochures, catalogs, pamphlets in choosing a career or college
- Use files to locate college information
- Access: file cabinet, flip file on octagon table (monthly), bulletin board
- Copy, fax or use phone
- Utilize 5 computer stations
- Work at areas to help with essays or looking at materials
- Participate in the WALL OF CLASS, be proud of your admission to college

For more information about the Go-Center:
SCHEDULE CHANGE POLICY AND PROCEDURES

Pre-AP, AP, Advanced, and Dual/Concurrent Classes

- Pre-AP, AP, Advanced and Dual/Concurrent courses require more focus, self direction, preparation, and work ethic. To register for a Pre-AP, AP, or advanced course students must submit a signed commitment registration form with parent permission.
- Once class begins, students are committed to the Pre-AP, AP, or advanced course for the first six weeks. For Dual/Concurrent classes, student must be committed for the whole semester.
- Students must meet all qualifications for advanced courses set by the school board.
- Students may ONLY exit an advanced, Pre-AP or AP course no earlier than end of the first six weeks or at the end of a grading period with parent and principal permission. Grade will transfer as is to the new class.
- Failing two consecutive nine weeks is automatic dismissal to a regular class. Parents will be contacted of any changes.

ADMINISTRATIVE POLICY REGARDING SCHEDULE CHANGES

Each spring semester, students select courses for the upcoming school year. A master schedule of courses is developed based upon student interest, state requirements, class size, and teacher certifications. For this reason, students will have very limited opportunity to make changes after the schedules are submitted.

Schedule changes must be pre-approved prior to the first day of class. The only exceptions to this policy will be (1) program changes outside of the student’s control, (2) adjustments for class sizes, (3) an error on the part of the school district, or (4) students being removed from extracurricular activities. Students are encouraged to seek additional guidance from their grade level counselor prior to making final course requests, if needed. For any other schedule change, the campus principal must approve and decisions are final.

Spring schedule changes must be requested in writing and submitted to the grade level counselor for approval from the campus principal at the beginning of December. This form may be picked up in the counseling office. Granted requests will only take effect after the completion of the fall semester. While course failure in the advanced program may lead to Scholastic Probation and removal into the regular program (EIC Local), regular course failure will not justify
the need for schedule changes. Students will not be given the opportunity to make changes once school begins in January.

NOTE: It is imperative for parents to meet with their child’s teacher if he/she is struggling in the course. This should be done prior to scheduling any appointment with a counselor or administrator.

**Athletics**

- Parent and coach permission form must be submitted in the spring semester prior to fall enrollment.
- Once classes begin, students are committed to the athletics class with the exception of decisions made by coaches and principal approval only.
- Students dropping athletics may be moved into another course, but credit may not be given. If a suitable course is not available, students will be required to remain in athletics and continue participating during the scheduled class time.

**Removal from a Teacher’s Room for Failing Grades**

Removal from a teacher’s room will require the following steps:

- Meeting with teacher, counselor, and administrator
- Student must attend tutorials for a minimum of 3 weeks
- Final decision will be with the principal
- If removal is granted, it will occur only at the end of the grading period
Hudson High School Career Academies

The career academies listed below are applicable to students graduating in the 2014-2015 and the 2015-2016 school years. Students graduating after 2016 will graduate according to the endorsement requirements under HB 5. Students who graduate from the following academies must complete the following sequence of courses:

**Academy of Science, Technology, Engineering, and Math**
- Calculus (either AP or dual credit)
  - Any AP or dual credit science credit
    - Any two credits under Technology Applications

**Academy of Health Sciences**
- Four credits under Health Services, which may include Anatomy and Physiology.
  - Any one credit under Technology Applications

**Academy of Consumer Science and Education**
- Any three credits under Consumer Science education
  - Any one credit under Technology Applications

**Academy of Fine Arts, Humanities, and Communications**
- Professional Communications or Humanities
  - Three credits under Fine Arts, all of which are not from the same subject area. Example: two years of Band/one year of Art; or two years of Theater/one year of Choir.

**Academy of Business Management, Marketing, and Administration**
- Pre-Calculus
  - Spanish 2
    - Principles of Information Technology (PIT)
    - Two credits from the following:
      - Business Law (1/2 or 1), Dollars and Sense (1/2), Microsoft Certification, or Accounting

**Academy of Audio/Video Technology and Communications**
- Principles of Technology (PIT) and:
  - Art 1, Digital & Interactive Media (DIM), and Video Game Design or:
    - Two credits of Yearbook; or one credit of Yearbook and one credit of Digital & Interactive Media (DIM)

**Academy of Information Technology**
- Principles of Technology (PIT) and:
  - Art 1, Digital and Interactive Media (DIM), and Video Game Design, or Two credits of Yearbook; or one credit of Yearbook and one credit of Principles of Arts, Audio Video Technology and Communications
COURSE DESCRIPTIONS

Hudson High School provides a sound curriculum of academic courses, academic electives, designated career pathways, and local electives to meet the needs of all students attending our high school.

For each course, you will find the name of the course, the grade placement, the credit value, the prerequisite (if applicable), and a brief description of the content.

ENGLISH LANGUAGE ARTS

English 1 Pre-AP (EOC Tested Subject)
ID: 03220100

A challenging language arts experience for the motivated student. The course fuses in-depth literary study with vocabulary development and grammar instruction. Composition skills leading to clear, concise, well developed writing will be incorporated into the literature study. Analytical reading, thinking, and writing skills addressed in this class begin the student’s preparation for AP English Language & composition and beyond. 
Prerequisite: grade requirement, parent permission, summer reading/assignment required
Grade: 9th
Credit: 1 unit advanced

English 1 (EOC Tested Subject)
ID: 03220100

A balanced course stressing (1) the composing process to plan and generate writing while evaluating and proofreading for correctness, (2)
learning traditional grammar as an aid to writing sentences with a variety of structures while stressing word choice to convey intended meaning, (3) recognizing the differences in various literary genres and using basic literary terminology, and (4) developing reading and thinking skills necessary for comprehension.

Grade: 9th
Credit: 1 unit

**English 2 Pre-AP (EOC Tested Subject)**

ID: 03220200

A challenging program stressing analytical reading and vocabulary skills as well as the continued improvement of writing techniques. Students will examine methods used in superior writing both as readers and as writers, further preparing them for the high-level analysis required and developed by junior and senior level AP classes.

Prerequisite: English 1, grade requirement, parent permission, summer reading/assignment required

Grade: 10th
Credit: 1 unit advanced

**English 2 (EOC Tested Subject)**

ID: 03220200

A balanced study of literature, grammar, reading, and composition skills, including a more advanced study of grammar and correct usage; a wider range of writing experiences stressing unity, clarity, and coherence; additional literary analysis, terms, and concepts; and continued development of reading concepts and skills including increased use of library resources.

Prerequisite: English 1

Grade: 10th
Credit: 1 unit

**English 3 AP (Advanced Placement)**

ID: A3220100

Course will cover all topics required for the AP Language and Composition Exam for college credit. This is a challenging program requiring critical reading, persuasive writing, and knowledge of literary vocabulary. Much of the course deals with evaluating a writer’s use of language and stylistic elements. Some fictional works are used, but the emphasis is on nonfiction. Students are required to take the AP Language and
Composition Exam at the end of this course in order to receive advanced
credit towards GPA calculation. (This course will also include TEKS, or the
curriculum, for Communication Applications)
Prerequisite: English 2, parent permission, signed commitment, and summer
reading/assignment required
Grade: 11th
Credit: 1.5 units: 1 unit advanced & 1/2 unit for Communication Applications

**English 3**  
ID: 03220300

A study of grammar, composition, and research paper writing combined
with a study of American literature which involves surveying literary forms,
figurative language, literary style, and literary time periods. (This course
will also include TEKS, or the curriculum, for Communication Applications)
Prerequisite: English 2
Grade: 11th
Credit: 1.5 units: 1 unit for English & 1/2 unit for Communication Applications

**English 4**  
ID: 03220400

The course consists of grammar and sentence structure, logical
organization and development of compositions, and comprehension of
themes and styles of British literature.
Prerequisite: English 3
Grade: 12th
Credit: 1 unit

**English 4/English 1301 & 1302 (Dual Credit)**  
ID: 03220400

A review of the fundamentals of composition: grammar, punctuation,
diction, and sentence structure; development of paragraphs and the essay;
extensive theme writing in exposition and argument, including a unit on
logic. Critical analysis of literature and intensive research for a fully
documented research paper; a continuation of writing skills begun in ENGL
1301. This course can be taken in the place of English 4 to meet
graduation requirements.
Prerequisite: English 3, acceptance in the dual/concurrent program.
Grade: 12th
Credit: 1 unit Advanced
Basic English
ID: 03220105
Students are instructed in fundamental grammar and reading comprehension according to their IEP.
Prerequisite: ARD Committee recommendation
Grade: 9th – 12th
Credit: 1-4 units, basic

Business English
ID: 13011600
Students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. 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. Students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English and produce final, error-free drafts for business reproduction. This course can be taken in place of English 4 to meet graduation requirements and also qualifies as a CTE credit.
Prerequisite: English 3
Grade: 12th
Credit: 1 unit

College Prep English
ID: CP110100
Course is a review of the fundamentals of composition: grammar, punctuation, diction, and sentence structure; development of paragraphs and the essay; extensive theme writing in exposition and argument. Students will perform critical analysis of literature and intensive research to complete college level research papers. The course is intended for students seeking TSI readiness. A completion grade equal to, or greater than, “75” will fulfill TSI readiness standards for the state of Texas higher education institutions. This course can be taken in place of English 4 to meet graduation requirements.
Prerequisite: English 3, administrative approval
Grade: 12th
Credit: 1 unit
English as a Second Language (ESL)
ID: 03200600

Designed for the student of limited English proficiency (LEP); that is, a student whose primary language is not English and/or who comes from a home where the primary language is other than English.

Prerequisite: selection only
Grade: 9th – 12th
Credit: ½ or 1 unit

MATHEMATICS

Algebra 1 (EOC Tested Subject)
ID: 03100500

Develops the basic properties of the number system and makes it possible to simplify and generalize the solution of problems by the use of variables. Covers linear and quadratic functions, solving equations and inequalities, exponents and polynomials. The next recommended course is Geometry.

Grade: 9th
Credit: 1 unit

Geometry
ID: 03100700

Combines the study of two and three dimensional figures in space emphasizing the properties of these figures: congruence, equality, similarity and inequalities. Introduces two-column proofs and stresses a systematic approach to logic. The next recommended course is Algebra II or Mathematical Models with Applications.

Prerequisite: Algebra 1
Grade: 9th – 10th
Credit: 1 unit

Geometry Advanced
ID: 03100700

This course accelerates the basic geometry course by a faster pace, emphasis on the advanced concepts and concentration on higher level thinking activities. The course will include some Algebra 2 concepts. Second semester will include trigonometry. The next recommended math course is Algebra II (Advanced or Regular).
Prerequisite: parent permission, grade requirement, Adv. Algebra 1 or admission committee approval
Grade: 9th – 10th
Credit: 1 unit advanced

Mathematical Models with Applications
ID: 03102400

Students use algebraic, graphical and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines. Students use mathematical methods to model and solve real-life applied problems involving money, data, chance, patterns, music, design, and science. Mathematical models from algebra, geometry, probability and statistics, and technology are used to solve application problems in both mathematical and nonmathematical situations. The next recommended course is Algebra II.

Prerequisite: Algebra I and Geometry
Grade: 11th
Credit: 1 unit

Algebra 2
ID: 03100600

Extends the development of the real number system into the complex number system. Includes a study of polynomials, quadratic equations, functions, exponents, logarithms, conic sections, sequences and series, probability, and trigonometry.

Prerequisite: Algebra 1 and Geometry
Grade: 10th – 12th
Credit: 1 unit

Algebra 2 Advanced
ID: 03100600

Studies the concepts presented in Algebra 2 in more depth through the use of more challenging problems and exams that emphasize creative thinking. The course will touch on concepts presented in pre-calculus. The next recommended course is Pre-Calculus (Advanced or Regular), Advanced Quantitative Reasoning or College Algebra.

Prerequisite: Algebra 1, Geometry, parent permission, grade requirement
Grade: 10th – 11th
Credit: 1 unit advanced
Pre-Calculus
ID: 03101100

The major emphasis will be the examination of polynomial, rational, trigonometric, exponential, and logarithmic functions. The course is taught from a functional approach integrating the topics of trigonometry, elementary analysis, analytic geometry, and number theory.
Prerequisite: Algebra 2
Grade: 11th – 12th
Credit: 1 unit

Pre-Calculus Advanced
ID: 03101100

The major emphasis will be the examination of polynomial, rational, trigonometric, exponential, and logarithmic functions. Limits and an introduction to calculus will be considered to give the student a solid preparation for calculus.
Prerequisite: Adv. Algebra 2 or instructor’s approval, parent permission
Grade: 11th – 12th
Credit: 1 unit advanced

Advanced Placement (AP) Calculus
ID: A3100101

Students will study the concepts of limits, derivatives, integrals, work, maximum/minimum solids of revolution and functions. There is also a thorough review of logarithmic and trigonometric functions. The course will cover all topics required for the Advanced Placement Calculus exam for college credit.
Prerequisite: Parent permission, Adv. Pre-Calculus
Grade: 12th
Credit: 1 unit advanced
Advanced Quantitative Reasoning
ID: 03102510

Advanced Quantitative Reasoning (AQR) includes the analysis of information using statistical methods and probability, modeling change and mathematical relationships, and spatial and geometric modeling for mathematical reasoning.
Prerequisite: Algebra 2
Grade: 11th – 12th
Credit: 1 unit

College Prep Math
ID: CP000200

This course is designed for a student who intends to pursue post-secondary level education and is comprised of upper level math content equivalent to Algebra 2 and Pre-Calculus. This course is designed for students who are seeking TSI readiness. A completion grade equal to, or greater than, “75” will fulfill TSI readiness standards for the state of Texas higher education institutions. This course can be taken in place of a 4th-year upper level math course to meet graduation requirements.
Prerequisite: Algebra 1, Geometry, Algebra 2, administrative approval
Grade: 12th
Credit: 1 unit

Dual Credit Mathematics (Independent Study in Mathematics)
ID: 03102500

This course is matched with College Math 1314 (College Algebra for non-science majors). Can also be paired College Math 1414 (College Algebra for math and science majors).
Prerequisite: Meet dual credit program requirements; Algebra 2 or Pre-Calculus in accordance with college requirements (See Mrs. Rosser for more information)
(Pre-Calculus may be used as a co-requisite)
Grade: 12th
Credit: 1 unit advanced
Dual Credit Mathematics II (Independent Study II)
ID: 03102501

This course is matched with College Math 1342 (Elementary Statistics). Prerequisite: Meet dual credit program requirements; Algebra 2 or Pre-Calculus in accordance with college requirements (See Mrs. Rosser for more information) (Pre-Calculus may be used as a co-requisite)
Grade: 12th
Credit: 1 unit advanced

Dual Credit Mathematics III (Independent Study III)
ID: 03102502

Course will match with College Math 1324 and 1325 (Math for Business majors). Prerequisite: Meet dual credit program requirements; Algebra 2 or Pre-Calculus in accordance with college requirements (See Mrs. Rosser for more information) (Pre-Calculus may be used as a co-requisite)
Grade: 12th
Credit: 1 unit advanced

Basic Courses (Basic Algebra 1, Basic English 1, etc.)

Students are instructed with modified curriculum standards for specific courses. The amount of modification is decided by an ARD committee and written in the student’s IEP.
Prerequisite: ARD Committee recommendation
Grade: 9th-12th
Credit: 1 unit basic
**Applied Math (Applied Algebra 1, Applied Geometry, Applied Math Models)**

ID: Applied Algebra 1 – 03100507
Applied Geometry - 03100707

Students are instructed in fundamental math skills according to their IEP.
Prerequisite: ARD Committee recommendation
Grade: 9th – 12th
Credit: 1 unit basic

**Dosage Mathematics**
ID: LD11110A

This course helps the student use mathematical operations and knowledge of relationships to solve daily problems inherent to the health science industry such proper dosages of medications, conversions, the use of decimals, rounding, and fractions. Students should apply knowledge and skills related to mathematics including algebra and data analysis in the context of health science. 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.
Grade: 11th – 12th
Credit: 1 unit basic

**SCIENCE**

**Integrated Physics and Chemistry (IPC)**
ID: 03060201

This is a laboratory oriented course about the nature of things that make up the universe. Topics include matter, atomic structure, basic chemistry, electricity, magnetism, motion, and light & sound waves. ***For students entering 9th grade before 2013-2014 school year: This course may not be taken under the Distinguished plan. If on the recommended plan, IPC must be successfully completed prior to physics.
Grade: 9th – 10th
Credit: 1 unit
Biology (EOC Tested Subject)
ID: 03010200

Laboratory oriented study of the structure, growth, and function of the life systems of selected organisms. Topics include biochemistry, cell theory, evolution, respiration, photosynthesis, botany, zoology, taxonomy, genetics, anatomy, physiology, and ecological sciences. Recommended during the 9th grade year for students pursuing STEM or Health Science endorsements.
Grade: 9th – 10th
Credit: 1 unit

Biology Advanced (EOC Tested Subject)
ID: 03010200

Biology Advanced is an accelerated class for those qualifying students who wish to do an in-depth study of living things. Topics include characteristics of living organisms, development of living organisms, biochemistry, anatomy and physiology of selected specimens, ecological concepts, basic principles of genetics, and taxonomy.
Prerequisite: parent permission, grade requirement
Grade: 9th
Credit: 1 unit advanced

Chemistry
ID: 03040000

Laboratory oriented study of the composition, structure, and behavior of matter. Classification, nomenclature, measurement, behavior, and subatomic structure are addressed. The quantitative measurement, calculation of chemical quantities, and behavior in various types of reactions are emphasized. Introduction to nuclear and organic chemistry is included.
Prerequisite: Algebra 1
Grade: 10th – 12th
Credit: 1 unit
Chemistry Advanced  
ID: 03040000

Advanced chemistry is a challenging, fast-paced course designed to go beyond regular chemistry and prepare the students for the college chemistry course. An emphasis will be placed on laboratory work and analysis of that work. In addition to the skills taught in regular chemistry, the advanced student will also study topics such as orbital hybridization, oxidation-reduction reactions, resonance, titrations, VSEPR structures, equilibria, and thermochemistry. Recommended that students have concurrent enrollment in Algebra II or have a credit in Algebra II.

Prerequisite:  Algebra I
Grade:  10th – 12th
Credit:  1 unit advanced

Advanced Placement (AP) Chemistry  
ID: A3040000

The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. A complete course description, including specific course content, can be found at www.apcentral.collegeboard.com.

Prerequisite:  Chemistry
Grade:  11th-12th
Credit:  1 unit

Physics  
ID: 03050000

This course studies matter and energy and the relationship between them. Topics include Newton’s laws of motion, universal gravitation, thermodynamics, sound, light, electricity, and magnetism.

Prerequisite:  Algebra 1 and Biology
Grade:  10th – 12th
Credit:  1 unit
Advanced Physics
ID: 03050000

Advanced Physics is a challenging, fast-paced course designed to go beyond regular Physics and prepare the students for the college Physics course. This course will study matter and energy and the relationship between them. Topics include Newton’s laws of motion, universal gravitation, thermodynamics, sound, light, electricity, and magnetism.
Prerequisite: Algebra 1 and Biology
Grade: 10th - 12th
Credit: 1 unit

Dual Credit Science: Scientific Research and Design I
ID: 13037200

Concurrent Physics is a college physics course. The first semester (Physics 1401) covers the mechanics of solids and fluids, and the fundamentals of heat. The second semester (Physics 1402) covers electricity, magnetism, light and modern physics. There will be 3 hours of lecture and 2 hours of lab each week. Algebra and basic trigonometry are used throughout the course. This course combination provides credit for scientific research and design.
Prerequisite/Co-requisite: Pre-Calculus, application to post-secondary institution
Grade: 11th – 12th
Credit: 1 unit advanced

Dual Credit Science: Scientific Research and Design II
ID: 13037210

Concurrent Zoology is equivalent to College Biology 1413.
Prerequisite: Dual credit enrollment, application to post-secondary institution
Grade: 11-12th
Credit: 1 unit advanced
Anatomy and Physiology of Human Systems
ID: 13020600
This is a course designed to give students a thorough knowledge of the structure and function of the human body. The course is focuses on five principal areas: organization, support and movement, control systems, maintenance, and continuity. Homeostasis and pathology are considered in all areas. Laboratory work is an integral part of the course. This course will count as a Health Science credit toward the academies and endorsements. This class will count as dual credit if this class is taken at Angelina College (BIOL 2404 or (BIOL 2401 and BIOL 2402)).
Prerequisite:  Biology, Chemistry, Physics
Grade: 12th
Credit: 1 unit

Food Science
ID: 13023000
This laboratory based course is a study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. Students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. This course gives one credit toward the Human Services and Hospitality and Tourism academies and endorsements. This course qualifies for a CTE credit.
Prerequisite:  Biology, Physics and Chemistry
Grade: 12th
Credit: 1 unit

Forensic Science
ID: 13029500
Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science. Course will qualify as a CTE credit.
Prerequisite:  Biology, Chemistry, Physics
Grade: 12th
Credit: 1 unit
**Earth and Space Science**  
ID: 03060200

Earth and Space Science provides a study of the earth’s lithosphere, atmosphere, hydrosphere, and its celestial environment. This course emphasizes the study of energy at work in forming and modifying earth materials, land forms, and continents through geological time. Students have opportunities to gain an understanding of the history of the development of the earth and space sciences, to explore the uses of knowledge of the earth and its environment in various careers, and to cope with problems related to personal needs and social issues.

**Prerequisite:** Biology, Chemistry, and Physics  
**Grade:** 12th  
**Credit:** 1 unit

**Advanced Animal Science**  
ID: 13000700

Students enrolled in this course will be prepared for careers in the field of animal science. Students will attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. Students will have opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Being a 4th year Advanced level class, students will be required to review basic biology and chemistry concepts over the summer to be prepared for extension and application of biology and chemistry in animal anatomy and physiology. This course counts as an Ag.Science credit toward the academies and endorsements. *(Please note: this course is not considered as ‘advanced’ for GPA purposes.)*

**Prerequisites:** Biology, Chemistry, and Physics  
**Grade:** 12th  
**Credit:** 1 unit

**Environmental Science**  
ID: 03020000

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

Prerequisites: Biology, Chemistry and Physics
Grade: 12th
Credit: 1 unit

Medical Microbiology
ID: 13020700

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. This course will continue every other year and will alternate with Pathophysiology. This CTE course will count as a Health Science credit toward academies and endorsements.

Prerequisites: Biology, Chemistry and Physics
Grade: 12th
Credit: 1 unit

Pathophysiology
ID: 13020800

In Pathophysiology, students conduct laboratory and field investigations, use 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. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. First offering will be 2015-2016 school year and will continue every-other year, alternating with Medical Microbiology. This CTE course will count as a Health Science credit toward academies and endorsements.

Prerequisite: Biology or Advanced Biology
Grade: 11th – 12th
Credit: 1 unit
SOCIAL STUDIES

**World Geography**  
ID: 03320100

A general study of the interaction of people and their physical environments in the major areas of the world. Emphasis will be on the cultural forces that shape individuals. Students may choose to take this course as an academic elective.  
Grade: 9th – 12th  
Credits: 1 unit

**Pre-AP World Geography**  
ID: 03320100

The pre-AP World Geography curriculum focuses on the world’s people, places, and environments. The knowledge, skills, and perspectives of the course are centered on the world’s population and cultural characteristics, its countries and regions, landforms and climates, natural resources and natural hazards, economic and political systems, and migration and settlement patterns. Spatial concepts of geography will be linked to chronological concepts of history to set a framework for studying human interactions.  
Prerequisites: Parent permission, grade requirement  
Grade: 9th  
Credit: 1 unit advanced

**World History**  
ID: 03340400

A general study of the development of early civilizations, western civilization, and other world regions from their early days to the present.  
Grade: 10th  
Credit: 1 unit

**Advanced Placement (AP) World History**  
ID: A3370100

This course will develop a greater understanding of the changing of global processes and contacts, in interaction with different types of human societies. It highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. It also emphasizes relevant factual knowledge used in conjunction with leading interpretive issues and types of historical evidence. The course builds on an understanding of cultural, institutional,
and technological precedents that, along with geography, set the human
stage. Periodization, explicitly discussed, forms an organization to the
course, along with consistent attention to contacts among societies that
form the core of world history as a field of study. A complete course
description, including specific course content, can be found at
Prerequisite: parent permission, signed commitment, Pre-AP World Geography
Grade: 10th
Credit: 1 unit advanced (if student takes the AP exam only)

United States History (EOC Tested Subject)
ID: 03340100

A general study of the economic, political, social, cultural, and geographic
events from 1877 to the present.
Grade: 11th
Credit: 1 unit

US History 1301 & 1302 (Dual Credit Course)(EOC Tested Subject)
ID: 03340100

The development of American characteristics and nationality from the early
European exploration through the Reconstruction Period (1877). The
history of the US from Reconstruction to the present time. These courses
may be taken in the place of US History to meet graduation requirements.
Prerequisite: completion of application and acceptance into the
dual/concurrent program and TSI complete or exempt in one area
Prerequisite: Dual credit enrollment
Grade: 11th
Credit: 1 unit advanced

United States Government
ID: 03330100

A study of the foundation of the United States’ political system, the
development of U.S. governmental system, and the structure and functions
of the government.
Grade: 12th
Credit: ½ unit
US Government 2305 (Dual Credit Course)
ID: 03330100

Origin and development of the U.S. constitution, structure and powers of national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights.
Prerequisite: Acceptance in the dual/concurrent program
Prerequisite: Dual credit enrollment
Grade: 11th - 12th
Credit: ½ unit advanced

US Government 2306 (Special Topics in Social Studies) (Dual Credit Course)
ID: 03380002

Origin and development of the Texas constitution, structure and powers of state and local government, federalism and inter-governmental relations, political participation, the election process, public policy, and the political culture of Texas.
Prerequisite: College Government 2305
Grade: 12th
Credit: ½ unit advanced elective

Psychology
ID: 03350100

In Psychology, an elective course, students study the science of behavior and mental processes. Students examine the full scope of the science of psychology such as the historical framework, methodologies, human development, motivation, emotion, sensation, perception, personality development, cognition, learning, intelligence, biological foundations, mental health, and social psychology. Students planning to take Psychology 2301 through AC should not take this course as they cannot gain credit for both.
Grade: 10th - 12th
Credit: ½ unit
Psychology 2301 (Dual Credit Course)
ID: 03350100

A basic overview of the discipline known as psychology and a brief history of this field. Attention will be focused on such areas as: interaction of heredity, environment, and maturation; personality and mental health; psychopathology; sexuality; and aging and death. This course can be taken as a state elective credit toward graduation requirements while also earning college credit.
Prerequisite: Dual credit enrollment
Grade: 11th-12th
Credit: ½ unit advanced

Sociology
ID: 03370100

Sociology, an elective course, is an introductory study in social behavior and organization of human society. This course will describe the development of the field as a social science by identifying methods and strategies of research leading to an understanding of how the individual relates to society and the ever changing world. Students will also learn the importance and role of culture, social structure, socialization, and social change in today’s society. Students planning to take Sociology 1301 through AC should not take this course as they cannot gain credit for both.
Grade: 10th – 12th
Credit: ½ unit

Sociology 1301 (Dual Credit Course)
ID: 03370100

Analysis and discussion of the problematic nature of contemporary social issues. Area of analysis may include: family violence, chemical dependency, deviant behavior, poverty and social inequality, environmental pollution, urban growth and development, and health/education issues. This course can be taken as a state elective credit toward graduation requirements while also earning college credit. Prerequisite: completion of application and acceptance into the dual/concurrent program
Prerequisite: Dual credit enrollment
Grade: 11th-12th
Credit: ½ unit advanced
Principles of Law, Public Safety, Corrections, and Security
ID: 13029200

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. Course qualifies as a CTE credit.

Grades: 9th – 12th
Credit: ½ to 1 unit

ECONOMICS

Economics and Free Enterprise
ID: 03310300
Concurrent ID: 03310300

A study of the basic principles concerning production, consumption, and distribution of goods and services. American and international economic systems are explored. If this class is taken through the concurrent program, then dual credit will be granted upon receiving a passing completion grade.

Grade: 12th
Credit: ½ unit

SCIENCE, TECHNOLOGY, ENGINEERING and MATH

Robotics and Automation
ID: 13037000

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

Grade: 9th - 12th
Credit: 1 unit
**Robotics: Electronics**  
ID: 13036800

This course will be the 2nd year of Robotics and will foster students’ creativity and innovation by presenting opportunities to design, implement, and construct electronic products. Students will collaborate with one another, their instructor, and business/community leaders to solve problems in the design of emerging and innovative electronic technologies. Course will qualify as a CTE credit.

Prerequisite: Robotics and Automation  
Grade: 11th – 12th  
Credit: 1 unit

**LANGUAGES OTHER THAN ENGLISH**

**Spanish 1**  
ID: 03440100

An introduction to the study of the Spanish language and culture. This course stresses basic conversation, grammar, and vocabulary through memorization, listening comprehension, and reading comprehension as well as oral and written practice.

Grade: 9th – 12th  
Credit: 1 unit

**Spanish 2**  
ID: 03440200

A study of Spanish language and culture. More emphasis on grammar, reading and writing with translation and independent research skills. Includes introduction to Hispanic art, music, history, geography, and drama.

Prerequisite: Spanish 1  
Grade: 10th – 12th  
Credit: 1 unit
Spanish 3  
ID: 03440300  

A continuing study of the Spanish language and culture with an introduction to Spanish literature. Role-playing, composition, and translation skills are emphasized. ***Required under the Distinguished Program  
Prerequisite: Spanish 2  
Grade: 11th – 12th  
Credit: 1 unit

Spanish AP Language  
ID: A3440100  

This course is an intensive study of language and grammar. Students develop and refine skills in reading, writing, and listening. In addition, the course emphasizes the basic skills and vocabulary needed to excel on the AP Spanish language exam.  
Prerequisite: Spanish III or Spanish 2 with Spanish Fluency  
Grade: 11th – 12th  
Credit: 1 unit advanced (if student takes AP exam only)

German 1  
ID: 03420100  

Course is offered through Texas Virtual Schools Network (TxVSN) online.  
Prerequisite: Counselor approval  
Grade: 9th - 12th  
Credit: 1 unit

German 2  
ID: 03420200  

Course is offered through Texas Virtual Schools Network (TxVSN) online.  
Prerequisite: German 1  
Grade: 10th - 12th  
Credit: 1 unit

German 3  
ID: 03420300  

Course is offered through Texas Virtual Schools Network (TxVSN) online.  
Prerequisite: German 2  
Grade: 11th - 12th  
Credit: 1 unit
French 1  
ID: 03410100  
Course is offered through Texas Virtual Schools Network (TxVSN) online.  
Prerequisite: Counselor approval  
Grade: 9th - 12th  
Credit: 1 unit  

French 2  
ID: 03410200  
Course is offered through Texas Virtual Schools Network (TxVSN) online.  
Prerequisite: Counselor approval  
Grade: 10th - 12th  
Credit: 1 unit  

FINE ARTS  

Students may fulfill fine arts and/or elective requirements for graduation by successfully completing the following fine arts courses.  

Art 1  
ID: 03500100  
Investigation and use of the elements and principles of design to create original works of art. Students will examine objects and the work of artists of the past and present. Includes basics such as drawing and shading, design, color mixing, and figure drawing.  
Grade: 9th – 12th  
Credit: 1 unit  

Art 2  
ID: 03500500  
An advanced art class where the students will work with the elements and principles of design to create original works of art. Included will also be a
more in-depth study in drawing, art history, painting, design and art criticism.
Prerequisite: Art 1
Grade: 10th – 12th
Credit: 1 unit

Art 3
ID: 03501300

This course is designed for the serious art student. Art history, aesthetics and criticism are included.
Prerequisite: Art 2
Grade: 11th – 12th
Credit: 1 unit

Art 4
ID: 03502300

This course is designed for the serious art student. Art history, aesthetics and criticism are included.
Prerequisite: Art 3
Grade: 11th – 12th
Credit: 1 unit

Band I-IV
ID: I - 03150100
II – 03150200
III – 03150300
IV - 03150400

This course is a full year laboratory for students of instrumental music. It provides students with the opportunity to develop performance skills and to become acquainted with band literature. Attention is given to all details of performance including tone, quality, rhythm, technique, intonation, phrasing style, balance, and blend. The music prepared by the band ranges from marches to symphonic arrangements, including both traditional and modern selections. Students are encouraged to pursue UIL solo and small ensemble competition and TMEA All Region Band auditions. Uniforms required at student’s expense.
Grade: 9th – 12th
Credit: 1-4 units

Additional information about Band:

**Jazz Band I-IV**
ID: I - 03151300  
II - 03151400  
III - 03151500  
IV - 03151600

Full year laboratory for students with interest in a musical instrument (such as drum, xylophone, or maraca) sounded by striking, shaking, or scraping. No equipment is required.
Prerequisite: Concurrent enrollment in band
Grade: 9th – 12th
Credit: 1-4 unit

**Beginning Piano (Applied Music)**
ID: 03152500

Students will learn basic music theory, music terms and how to read music. These skills will be transferred to the piano keyboard as they practice and master each lesson at their own pace, with guidance from the teacher. Students will use a popular Level 1 Adult Piano Workbook. Space is limited due to the amount of keyboards available. Keyboard at home is not required.
Grade: 9th – 12th
Credit: 1 unit

**Mixed Choir I-IV**
ID: I - 03150900  
II - 03151000  
III - 03151100  
IV - 03151200

Choir for male and female students. Audition is not required. This choir performs a minimum of two concerts per year and participates in many other choir activities. U.I.L. Contest and Region Choir competition is recommended. Uniform is required at student’s expense.
Grade: 9th – 12th
Credit: 1 – 4 units
Additional information about Choir:

**Theatre Arts I**
ID: 03250100

The base for all subsequent theatre courses and serves as a general introduction to all of the fundamental aspects of the theatre that range from creative use of technical production skills to the exploration of acting techniques. The course will focus on both the acting and technical aspects involved in the total theatre experience. This course is a prerequisite for all other theatre courses.

Grade: 9th – 12th
Credit: 1 unit

**Theatre Productions I-III**
ID: I - 03250700
   II – 03250800
   III - 03250900

Students will be provided opportunities to develop acting skills by participation in audition, rehearsal and performance. Students will also explore technical theatre by participation on technical crews and technical design in the areas of lights, sound, costume, makeup and set.

Prerequisite: Committee approval, Theatre Arts I
Grade: 10th – 12th
Credit: 1 - 3 units

More information about Theater:

**College Art 1301 (Art History 3)(Dual Credit Course)**
ID: 03501700

This course is offered as a dual-credit course. Students will receive 1 advanced credit listed as Art History 3 on the student’s transcript.

Prerequisite: Acceptance in the dual/concurrent program
Grade: 11th/12th
Credit: 1 unit advanced
College Music Appreciation 1306 (Music 1 History)(Dual Credit Course) This
ID: 03152900

Course is offered as a dual-credit course. Students will receive 1 advanced credit listed as Music 1 History on the student’s transcript
Prerequisite: Acceptance in the dual/concurrent program
Grade: 11th/12th
Credit: 1 unit advanced

SPEECH

Communications Applications and Dual credit speech are the only courses that will satisfy the State graduation speech requirement allowing other speech related courses to be selected for elective credit.

Communication Applications (Speech):
ID: 03241400

This course includes informative-persuasive speaking, demonstration speeches, and commercials. Required for graduation. This course is satisfied upon successful completion of English 3, AP English 3 or Basic English 3 taken Hudson High School.)
Grade: 11th
Credit: ½ unit

Speech 1315 (Dual Credit Course)
ID: 03241400

This course includes research, composition, organization, analysis, and delivery of speeches for various purposes and occasions. This course can
be taken in the place of communication applications (speech) to meet graduation requirements. If you are interested in taking college classes while in HS, we ask that you take speech at AC so you may receive both HS and college credit.

**Prerequisite:** acceptance into the dual/concurrent program

**Grade:** 11th – 12th

**Credit:** ½ unit advanced

**Professional Communications (May substitute for Speech)**

**ID:** 13009900

Students will develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research. Each student will make formal and informal presentations, and apply ethical business practices. Nonverbal communication skills include eye contact, handshake, and use of space and distance. Verbal communications include proper introductions, telephone etiquette, interviews, and appropriate conversations and constructive criticism as used in a business setting.

**Prerequisite:** None

**Grades:** 9th – 12th

**Credit:** ½ unit

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**PHYSICAL EDUCATION**

**Foundations of Personal Fitness (PE1A)**

**ID:** PES00052

This course is the textbook portion of physical education. The basic purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness.

**Grade:** 9th – 12th

**Credit:** ½ - 1 unit

**Physical Education – Individual Sports (PE IS)**

**ID:** PES00055
This course provides students with an opportunity to develop physical abilities as well as mental, social, and emotional abilities. Activities include physical fitness such as aerobics, track and field, and weight training; life long sports such as golf and tennis, and dual sports such as ping pong and badminton.

**Grade:** 9th – 12th  
**Credit:** ½ - 1 unit  

**Physical Education – Team Sports (PE TS)**  
ID: PES00055

This course provides students with an opportunity to develop physical abilities as well as mental, social, and emotional abilities. Activities include basketball, soccer, flag football, volleyball, and softball.

**Grade:** 9th – 12th  
**Credit:** ½ - 1 unit

For additional information regarding Physical Education:

**Athletics I-IV**  
ID: I - PES00000  
 II - PES00001  
 III - PES00002  
 IV - PES00003

Athletics is provided as an extra-curricular activity for both male and female students who possess such abilities. Mental and social growth are stressed along with an emphasis on emotional control, proper attitude, team work, and maintenance of eligibility through grades. Off season programs are provided for the athletes when their sport is not in season to further enhance their effectiveness in competition. Hudson competes in UIL basketball, baseball/softball, cross-country, track, golf, soccer, swimming, and tennis for both males and females.

**Prerequisite:** student selection will be determined by the coaching staff through a tryout process  
**Grade:** 9th – 12th  
**Credit:** ½ unit per semester (up to 4 units)

For additional information about Hudson Athletics:
Cheerleading I-IV
ID: I – PES00013
   II – PES00001
   III – PES00002
   IV – PES00003

Athletic course that provides the opportunity for dance, tumbling, and building skills. Cheerleaders perform at athletic events. This course will satisfy the requirement for physical education for a maximum of one credit.
Prerequisite: selection process
Grade: 9th – 12th
Credit: ½ - 1 unit

More Cheer info:

Drill Team (Highlights)
ID: PES00014

Athletic course emphasizing the skills of dance, stretching, and kicking. Performances are required at athletic events. This course will satisfy the requirement for physical education for a maximum of one credit.
Prerequisite: selection process
Grade: 9th – 12th
Credit: ½ - 1 unit

Vocal Ensemble/Drill Team (Show Choir)
ID: PES00014

An advanced ensemble whose members learn a minimum of two completely choreographed “pop” shows to perform in the community. Students are expected to attend after-school rehearsals. Uniforms are required at the student’s expense. *Course may count toward Choir credit. If used to meet requirements for physical education, a maximum of one credit will be given.
Prerequisite: vocal and dance audition
Grade: 9th – 12th
Credit: 1 unit

Archery
ID: Semester 1 – PES00055
Semester 2 – PES00053

Archery is a non-discriminating sport. It helps build muscle endurance and flexibility, develop hand-eye-coordination, and grip and body strength. In addition, safety strategies, skills and archery techniques necessary to participate in and enjoy archery as a lifetime activity will be fully addressed. This course is offered as a year-long course. Students completing this course will receive ½ credit for Outdoor Adventure Education and ½ credit for PE IS. Students can gain a maximum of 2 PE credits through the Archery course.

Prerequisite: none
Grade: 10th – 12th
Credit: see note above

Additional information about Archery:

TECHNOLOGY

Computer Programming
ID: 13027600

Students acquire knowledge of structured programming techniques 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.

Prerequisites: Algebra 2, BIM 1, Digital & Interactive Media
Grades: 11th-12th
Credit: ½ to 1 unit
Advanced Computer Programming
ID: 13027700

Students expand their knowledge and skills in structured programming techniques and concepts by addressing more complex problems and developing comprehensive programming solutions. Students analyze the social responsibility of business and industry regarding the significant issues relating to 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.

Prerequisites: Computer Programming
Grades: 11th – 12th
Credit: 1 to 2 units

Business Information Management I (replaces PIT)
ID: 13011400

Students will learn word processing technology including business letters, reports, newsletters, and tables. Applications for spreadsheets will include formulas, percentages, decimals, charts and graphs. Applications for databases will include sorting and organizing data, search and queries, and data retrieval. An introduction to desktop publishing will include creating templates, using drawing tools and fills, importing and working with graphics, column layouts, and drop caps. Students will also create and deliver multimedia presentations and create a Web page containing links, graphics, and text.

Grades: 9th - 12th
Credit: 1 unit

Business Information Management II :Microsoft Office (MOS)
ID: 13011500

This course is designed to allow students to obtain Microsoft Office Specialist certification in Word, Excel, PowerPoint, and Access. The course
is divided into four parts in order to learn all features of each application. At the end of each unit, the students travel to a certified testing center to take each test. The object of the course is to become Master Certified in Microsoft Office. Interested students must complete an application in the spring of the year for acceptance into next year’s program.

**Prerequisites:** Principles of Information Technology; Information sheet with committee selection

**Grades:** 10th - 12th

**Credit:** 1 unit

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

**ID:** 13011200

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

**Prerequisites:** None

**Grades:** 9th - 12th

**Credit:** 1 unit

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**Video Game Design**

**ID:** N1300993

Students will participate in a simulation of a real video game design team, seeing each project from origination to completion. Students will have the opportunity to learn all aspects of team building, including the creative, business and technological components required to launch a new video game system. The final course objective is for students to demonstrate technical proficiency by constructing an original game build. Course alternates years with Web Technologies.

**Prerequisites:** Principles of Information Technology/BIM I and Digital & Interactive Media, Computer Programming

**Grades:** 11th - 12th

**Credit:** 1 unit
**Web Technologies**  
ID: 13027900

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.

Prerequisite: Principles of Information Technology/BIM I and committee approval  
Grades: 11th-12th  
Credit: 1 unit

**Yearbook: Graphic Design and Illustration**  
ID: 13008800

This course teaches and applies the journalistic writing, editing, and graphic skills necessary to produce the yearbook. Students develop skills in news judgment, fact gathering, journalistic writing, headline writing, photojournalism, caption writing, graphic design and layout, proofing, editing, and advertising skills. Application available from instructor.

Prerequisite: student information sheet  
Grade: 11th – 12th  
Credit: 1 unit

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**What is MOS? Check this out:**

![QR Code](image-url)
Principles of Arts, Audio/Video Technology, and Communications I
ID: 13008200

Careers in the Arts, Audio/Video Technology, and Communications career cluster require, in addition to creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. Within this context, students will be expected to develop and understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities. Prerequisites: None
Grades: 9th – 12th
Credit: 1 unit

Audio Video Production
ID: 13008500

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video activities.
Prerequisites: Principles of AV/Tech and Communications
Grades: 10th - 12th
Credit: 2 units

Digital and Interactive Media
ID: 13027800

Students will design and create digital graphics using fundamental concepts of graphics design, layout principles, color mixing, proportion, balance, and symmetry. Students will be introduced to 3-D modeling, rendering techniques, and animation. Students will incorporate various composition techniques to capture still shot images with digital cameras and learn how to enhance photos using manipulation software. Students will also capture and edit video images and incorporate audio files. Prerequisite: Principles of Information Technology; Art I required for Academy otherwise it is recommended
Grades: 10th - 12th
Credit: 1 unit
More information about Technology Applications:

BUSINESS AND MARKETING

**Accounting 1**  
ID: 13016600

Introduces general accounting concepts, principles, and procedures; emphasizes the need for financial records; provides the fundamental equation and its application to accounting procedures including basic steps to the accounting cycle, worksheets, notes and interest, depreciation, accruals. Develops skills necessary to conduct personal business or to further an education in the field of accounting.

Grade: 11th – 12th  
Credit: 1 unit

**Accounting 2**  
ID: 13016700

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.

Prerequisite: Accounting 1  
Grade: 12th  
Credit: 1 unit

**Business Law**  
ID: 13011700

Introduces law and the origins and necessity of the legal system; provide insight into the evolution and development of laws that govern business in our society; develops an understanding of how organization and operation of the legal system impact business; develops an understanding of rights and duties within the business environment. Course is paired with Dollars and Sense.

Grade: 11th – 12th  
Credit: ½ - 1 unit
Money Matters  
ID: 13016200

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 based on those options. Students will determine methods of achieving long-term financial goals through investment, tax planning, asset allocation, risk management, retirement planning, and estate planning.

Course is paired with Business Law.  
Recommended Prerequisite: Principles of Human Services/Principles of Hospitality and Tourism  
Grades: 11th – 12th  
Credits: ½ unit

More information on Business/Marketing:

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AGRICULTURAL SCIENCE

Principles of Agriculture, Food & Natural Resources (Agriculture, Food & Natural Resources Cluster)  
ID: 13000200

This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings.  

Prerequisite: None  
Grades: 9th – 12th  
Credit: 1 unit
Agricultural Mechanics and Metal Technologies (Agriculture, Food & Natural Resources Cluster)
ID: 13002200

Develops proficiency in many welding skills. Students will be expected to use the cutting torch and MIG Welders. Students must weld in several welding positions, which include flat, horizontal, and vertical. The course develops an understanding of tool operation, electrical wiring, plumbing, carpentry, and metal working techniques.
Prerequisite: Recommended-Principles of Agriculture, Food, and Natural Resources
Grades: 10th – 12th
Credit: 1 unit

Agricultural Power Systems (Agriculture, Food & Natural Resources Cluster)
ID: 13002400

This course is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery. Students will acquire technical knowledge and skills related to power, structural, and technical agricultural systems in the workplace. They will develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations.
Prerequisite: None
Grades: 10th – 12th
Credit: 1 unit

Equine Science (Agriculture, Food, and Natural Resources Cluster)
ID: 13000500

This course is designed to prepare students for careers in the field of animal science. Suggested animals which may be included in the course of study include, but are not limited to horses, donkeys, and mules. This class will be paired with Livestock Production and is offered on alternating years.
Prerequisites: None
Grades: 10th – 12th
Credit: ½ unit
Food Technology and Safety (Agriculture, Food, & Natural Resources Cluster)
ID: 13001300
This course examines the food technology industry as it relates to food production, handling, and safety. The student will develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. This course will be paired with Small Animal Management and will be offered on alternating years.
Prerequisite: None
Grades: 10th – 12th
Credit: ½ unit

Construction Technology (Architecture and Construction Cluster)
ID: 13005100
Students will gain knowledge and skills related to various careers in the construction trade. Student acquire knowledge in areas such as: safety, measuring, laying-out, hand tools/power tools, and assembling. Students will participate in hands-on lab activities, such as blueprint reading, framing, roofing, etc.
Prerequisite: None
Grades: 10th – 12th
Credit: 1 unit

Horticulture Science (Agriculture, Food & Natural Resources Cluster)
ID: 13002000
This course is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production. Students will acquire knowledge regarding career opportunities, entry requirements, and industry expectations.
Prerequisite: None
Grades: 10th – 12th
Credit: 1 unit

Livestock Production (Agriculture, Food & Natural Resources Cluster)
ID: 13000300
This course is designed to prepare students for careers in the field of animal science. Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry. This course is paired with Equine Science and offered on alternating years.
Prerequisite: None
Grades: 10th – 12th
Credit: ½ unit

**Small Animal Management** (Agriculture, Food & Natural Resources Cluster)
ID: 13000400

This course focuses on working in small animal industry, animal rights and welfare, career opportunity in small animal care. This course is recommended for those that have an interest in the Veterinary Science field. This course is paired with Food Technology and Safety and offered on alternating years.

Prerequisite: None

Grades: 9th – 12th
Credit: ½ unit

**Wildlife Fisheries and Ecology Management** (Agriculture, Food & Natural Resources Cluster)
ID: 13001500

This course examines the management of game and non-game wildlife species, fish, and aquacrops, and their ecological needs as related to current agricultural practices.

Prerequisite: None

Grades: 9th – 12th
Credit: 1 unit

**Welding** (Manufacturing Cluster)
ID: 13032300

Students develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success.

Prerequisite: Agricultural Mechanics and Metal Technologies

Grades: 11th – 12th
Credit: 1 unit

**Advanced Welding** (Manufacturing Cluster)

[2 period class-all year]
ID: 13032400
Builds on the 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. *(This course may be taken two times while in high school. The second course will be coded as ‘Practicum in Agriculture’.*

Prerequisite: Recommended-Algebra I or Geometry and Ag Mechanics and Metal or Welding
Grades: 11th – 12th
Credit: 2 units

**Practicum in Manufacturing**
[2nd year of Advanced Welding - 2 period class-all year]
ID: 13033000

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.

Prerequisite: Advanced Welding
Grade: 12th
Credit: 2 units

**Veterinary Medical Applications (Ag Science Cluster/Health Careers Cluster)**
ID: 13000600

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. Topics covered in this course include, but are not limited to, veterinary practices as they relate to both large and small animal species.

Grade: 11th -12th
Credit: 1 unit

Additional information about Agricultural Studies:
HEALTH SCIENCE

Principles of Health Science
ID: 13020200

The Principles of Health Science provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry. The general curriculum for health education will also be covered.
Prerequisite: None
Grades: 9th – 11th
Credit: 1 unit

Health Science  [2 period block for the year]
ID: 13020400

The Health Science course (Clinicals) 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. The course may be taught by different methodologies such as clinical rotation and career preparation learning.
Prerequisite: Recommended Principles of Health Science and Biology
Grades: 10th – 12th
Credit: 2 units

Practicum in Health Science (CNA)  [2 period block-spring semester only]
ID: 13020500

The Practicum is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.
Prerequisite: Recommended Health Science course and Biology
Grades: 11th – 12th
Credit: 1 unit

Practicum in Health Science (Phlebotomy)  [2 period block-fall semester only]
ID: 13020500

The Practicum is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.
Prerequisite: Recommended Health Science course and Biology
Grades: 11th – 12th
Credit: 1 unit

Medical Terminology (Health Science Cluster)
ID: 13020300

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

Prerequisite: None
Grades: 9th – 12th
Credit: ½ unit

LVN Program (Practicum in Health Science II)
ID: 13020510

Prerequisite: Recommended- Principles of Health Science, Practicum in Health Science (CNA), Practicum in Health Science (Phlebotomy), and Principal/Teacher recommendations. Grades, attendance, tardies, discipline, and student work ethics will be used for determining acceptance for candidates who apply for the program.

All high school graduation requirements, with the exception of three hours of elective credit and BIOL 2401/2402 (College – Anatomy and Physiology), must be complete prior to the student’s senior year of school.

Additional information about Health Science Programs:

FAMILY AND CONSUMER SCIENCES EDUCATION

Principles of Hospitality and Tourism (Hospitality and Tourism Cluster)
ID: 13022200

The hospitality and tourism industry encompasses lodging, travel and tourism, recreation, amusements, attractions, and resorts; and
restaurants and food beverage service. Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry.

Grade: 9th – 12th
Credit: 1 unit

**Principles of Education and Training** (Education and Training Cluster)
ID: 13014200

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.

Grade: 9th – 12th
Credit: 1 unit

**Child Development** (Human Services Cluster/Education and Training Cluster)
ID: 13024700

This course addresses knowledge and skills related to child growth and development from prenatal through school-age children. Students will become equipped with child development knowledge that can be used to promote the well-being and healthy development of children and to investigate careers related to the care and education of children.

Prerequisite: Recommended – Principles of Human Services/Principles of Education and Training
Grades: 10th – 12th
Credit: ½-1 unit

**Culinary Arts** (Hospitality and Tourism Cluster)
ID: 13022600

This laboratory-based course begins with the fundamentals and principles of the art of food preparation and includes management and production skills and techniques. Students can pursue a national sanitation certification and other appropriate industry certifications. The knowledge and skills required for careers in the restaurant, food, and beverage industry are practiced as food is prepared for campus based restaurant.

Prerequisite: Recommended – Principles of Human Services
Grades: 10th – 12th
Credit: 1-2 units
**Lifetime Nutrition and Wellness** (Human Services Cluster/Hospitality and Tourism Cluster)

ID: 13024500

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, human services, and health sciences. Laboratory experiences will focus on the integration of nutrition and wellness knowledge with basic food preparation and management skills. This course will be paired with Restaurant Management.

Prerequisite: Recommended - Principles of Human Services/Principles of Hospitality and Tourism

Grades: 10\(^{th}\) – 12\(^{th}\)

Credit: \(\frac{1}{2}\)-1 unit

**Restaurant Management** (Hospitality and Tourism Cluster)

ID: 13022400

This course will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant.

Prerequisite: Recommended – Principles of Human Services/Principles of Hospitality and Tourism

Grade: 10\(^{th}\) – 12\(^{th}\)

Credit: 1 unit

**Practicum in Culinary Arts** (Hospitality and Tourism Cluster)

ID: 13022700

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 business and industry career experiences.

Prerequisites: Culinary 1, committee approval

Grade: 12\(^{th}\)

Credit: 2-3 units (3\(^{rd}\) unit based on outside hours)
DUAL/CONCURRENT PROGRAM

Angelina College:
The Concurrent College Program allows high school seniors to attend Angelina College for a portion of the school day while enrolled at Hudson HS. A student must take two college classes each semester for courses taught on the Angelina campus. If the course is taught on the high school campus, then one class may be all that is required. These classes may either be technical/vocational or academic. Students may be required to take the TSI test before enrolling in an academic class and the Work Keys test before enrolling in a technical/vocational class. Students must complete an application and meet entrance requirements for Angelina College. The following academic requirements must be met for students to be eligible for this program:

**Academic courses:**
- 11th graders: overall average of 90 in academic courses, minimum TSI* requirements
- 12th graders: overall average of 85 in academic courses, minimum TSI* requirements

*Unless TSI exempt by STAAR or TAKS scores. To be TSI exempt, student must score at least a 2200 in Math and ELA and receive at least a 3 on the writing essay. Students may gain exemption through SAT, ACT, PSAT and EOC scores. See counselor for more information.

**Technical/Vocational courses:**
- 11th and 12th graders: minimum Work Keys requirements Texas Virtual School Network:

Students may choose to participate in dual credit courses through a provider for the TxVSN. Eligibility requirements are not the same for courses taught at Angelina College.

**Prerequisite:** application and acceptance

**Grade:** 11th – 12th

**Credit:** ½ - 1 unit advance

Additional information regarding Dual Credit/Concurrent:
ON-LINE INSTRUCTION

On-line instruction is available for course/credit recovery and for courses not offered in a face-to-face instructional format via TxVSN and Edgenuity. (Examples may include German, French, etc.) Students interested in these courses should be prepared to work independently.

Additional information regarding On-Line Instruction:

LOCAL ELECTIVES

Please note: Local Electives do NOT satisfy requirements for graduation.

Driver’s Education
This class is taught after school during the fall and spring semesters. No credit is received for this course.
Prerequisite: must be 15 years old or older, payment of tuition
Grade: 9th – 12th
Credit: none

Additional information regarding Driver’s Education:

Student Assistant (Aide)
Students will learn clerical skills such as filing, record keeping, and other office related skills. Students are expected to be trustworthy, dependable, and confidential in their work in these various areas. Students must complete an application to be considered for these positions
Prerequisite: application to counseling office, administrative committee approval
Grade: 11th – 12th
Credit: none