



COURSE SELECTION GUIDE



2020
/
2021



Course Selection Handbook

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GENERAL INFORMATION

The material in this guide is intended to provide students with essential information concerning Texas graduation requirements, as well as Montgomery Independent School District curriculum and course descriptions. The guide also includes academic policies and procedures. Students who plan to attend college after graduation should also research and consider the requirements outlined by that institution when selecting courses.

In addition to the comprehensive information in this booklet, counselors will make every effort to provide students and parents with additional information concerning graduation requirements, career choices, post-secondary education, universities, technical schools, military service and financial aid. Parent orientations and workshops are provided for college admissions and for financial aid, high school graduation requirements and registration. Research information, computer technology and assistance are also available through the College and Career Center. It is ultimately the responsibility of the student with the assistance of his/her parents to become familiar with the graduation programs, select the program that best meets his/her post-secondary goals and meet those related requirements.

We are pleased to assist with questions or concerns during the high school years. Contact the appropriate campus' Counseling Center and College & Career Center at:

| | Montgomery High School | Lake Creek High School |
|------------------------------------|-------------------------------|-------------------------------|
| Counseling Center | (936) 276-3091 | (936) 276-4029 |
| College & Career Center | (936) 276-3093 | (936) 276-4036 |

While every effort has been made to make the information provided in this Guide as detailed and accurate as possible, there is no guarantee that it is 100% error-free, nor does it supersede established policies and rules as set forth by Montgomery ISD. Contact the counseling department for questions or clarifications. The information provided here is current as of December 2019. A copy of this entire guide and catalog is available on the district website (www.misd.org) which will have corrections and the most recent updates of this handbook.

Financial assistance is available for courses requiring fees for students that qualify based on their enrollment in the federal Free and/or Reduced Lunch Program. If a payment plan is required, contact the school administration.

It is the policy of Montgomery ISD to not discriminate on the basis of race, color, national origin, sex, age or disability in providing educational services, activities, and programs, including vocational programs, in accordance with Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Educational Amendments of 1972; Section 504 of the Rehabilitation Act of 1973, as amended; the Age Discrimination Act of 1975, as amended; and Title I of the Americans with Disabilities Act. Montgomery ISD will take steps to ensure that the lack of English Language skills will not be a barrier to admission and participation in all educational and vocational programs. For information about your rights or grievance procedures, contact the Title IX Coordinator at 13159 Walden Road, Montgomery TX 77356, (936) 276-2000, and/or the Special Education/Section 504 Coordinator at 700 Dr. Martin Luther King, Jr. Drive, Montgomery, TX 77356, (936) 276-2460.

GRADUATION PROGRAMS

Passed by the 83rd Texas Legislature, House Bill 5 (HB5) revises the graduation program for a **STUDENT ENTERING GRADE 9 IN THE 2014-2015 SCHOOL YEAR AND ALL SUBSEQUENT YEARS**. HB5 states that the Foundation Plan with an Endorsement is the default high school graduation plan for all students. This plan requires that a student entering grade 9 specify in writing which endorsement he/she will earn.

| DISCIPLINE | FOUNDATION HIGH SCHOOL PROGRAM |
|---|--|
| ENGLISH | 4 Credits: English I, II, III, and one additional English course |
| MATHEMATICS | 3 Credits: Algebra I, Geometry, and one additional math course |
| SCIENCE | 3 Credits: Biology, IPC or an advanced science course, and one additional science course |
| SOCIAL STUDIES | 3 Credits: World Geography or World History, U.S. History, U.S. Government/Economics |
| PHYSICAL EDUCATION | 1 Credit: Physical Education or state approved alternative (athletics, marching band, etc.) |
| FINE ARTS | 1 Credit: Fine Arts |
| LANGUAGE OTHER THAN ENGLISH | 2 Credits: both credits in the same language |
| ELECTIVES | 4 Credits: Electives |
| TOTAL = 21 | |
| 1 FOUNDATION HSP WITHOUT AN ENDORSEMENT (Committee Approval Is Required) | + 3 Credits: Elective Credits |
| TOTAL CREDITS WITHOUT ENDORSEMENT = 24 | |
| 2 FOUNDATION HSP WITH AN ENDORSEMENT (The 5 Endorsements are listed in detail below) | + 5 CREDITS - A STUDENT MAY EARN AN ENDORSEMENT BY SUCCESSFULLY COMPLETING: <ul style="list-style-type: none"> • Four credits in mathematics • Four credits in science • Three additional elective credits |
| STEM | Includes courses directly related to: <ul style="list-style-type: none"> • science, including environmental science • technology, including computer science • engineering (PLTW) • advanced math • robotics |
| BUSINESS & INDUSTRY | Includes courses directly related to: <ul style="list-style-type: none"> • database management • information technology • communications • accounting • finance • marketing • graphic design • architecture • construction • welding • culinary arts and hospitality • automotive technology • agricultural science |
| PUBLIC SERVICES | Includes courses directly related to: <ul style="list-style-type: none"> • health sciences and medical occupation • education and training • military service in the armed forces (to include the Coast Guard and National Guard) • law enforcement |
| ARTS & HUMANITIES | Includes courses directly related to: <ul style="list-style-type: none"> • political science • world languages • cultural studies • English literature • history • fine arts |
| MULTIDISCIPLINARY STUDIES | Allows a student to select courses from the curriculum of each endorsement area and earn credits in a variety of advanced courses from multiple content areas sufficient to complete the distinguished level of achievement. |
| TOTAL CREDITS WITH ENDORSEMENTS = 26 | |
| 3 DISTINGUISHED ACHIEVEMENT (Eligible for College Automatic Admissions) | <ul style="list-style-type: none"> • four credits in math, including credit in Algebra II • four credits in science • completion of curriculum requirements for at least one endorsement |
| TOTAL CREDITS WITH ENDORSEMENTS = 26 | |
| PERFORMANCE ACKNOWLEDGEMENT | <p>A student may earn a performance acknowledgment on the student's transcript...</p> <ol style="list-style-type: none"> For outstanding performance: <ul style="list-style-type: none"> ✓ in a dual credit course ✓ in bilingualism and bi-literacy ✓ on an AP test or IB exam ✓ on the PSAT, the ACT-Plan, the SAT, or the ACT For earning a nationally or internationally recognized business or industry certification or license |

ACADEMIC COURSE GUIDE

Students are required to graduate with at least 26 credits.
Foundation Requirements + Endorsement Pathway

English (4 credits)

- English I
- English II
- English III, DC 1301/1302, AP Language
- English IV, DC 1301/1302/2332,2311
A.P. Lit., Creative Writing, Business English,
Debate III, Literary Genres, Gothic Literature,
College Readiness English

Math (3 credits + 1 for Endorsement)

- 1st: Algebra I
- 2nd: Geometry
- 3rd: Algebra II, Math Models
- 4th: (select one or more)
 - Algebra II
 - AQR
 - Pre-Calculus
 - AP Statistics
 - AP Calculus AB
 - AP Computer Science
 - Algebraic Reasoning
 - College Readiness Math (12th only)
 - Dual Credit College Algebra
 - Dual Credit Math for Business & Social Sciences 1324
 - Dual Credit Calculus for Business 1325
 - Dual Credit Statistics

Science (3 credits + 1 for Endorsement)

- 1st: Biology
- 2nd: Chemistry
 - or IPC (based on need)
- 3rd and 4th credit options:
 - Physics
 - Aquatic Science
 - Astronomy
 - Environmental Science
 - Animal Science (CTE)
 - Forensic Science (CTE)
 - Anatomy & Physiology (CTE)
 - Pathophysiology (CTE)
 - Principles of Engineering (PLTW)
 - Engineering Design & Dev. (PLTW)
 - AP Biology
 - AP Chemistry
 - AP Physics 1, 2
 - AP Environmental Science

Social Studies (3 credits)

- World Geography, AP Human Geography
- World History
- US History
- Government/Economics (12th grade)

LOTE (2 credits of the same language)

PE (1 credit)

- Foundations of Personal Fitness
- Aerobics Movement
- Team Sports
- Athletics (4 credits max)
- MJROTC (4 credits max)
- Off campus PE (meet requirements and guidelines)
- Dance
- Dance Team (1 credit only)
- Marching Band (Fall only- 2 years)
- Cheerleading (1 credit only)
- Jazz Show Choir

Fine Arts (1 credit)

- Art
- Band (Spring only- 2 years)
- Choir
- Dance
- Floral Design (CTE)
- Theatre

Electives (7 credits to include courses for the Endorsement Pathway)

ENDORSEMENT PATHWAYS

| BUSINESS & INDUSTRY | | | | | | | | | | | |
|----------------------------------|-------------------------------------|-------|--|--------------------------|---------------------------------------|-------|--|--|-------------------------------------|-------|--|
| Accounting & Financial Services | | | | Culinary Arts | | | | Marketing & Sales | | | |
| 5310 | Prin. Business Marketing & Finance | 9-11 | | 5400 | Principles of Hospitality and Tourism | 9-11 | | 5310 | Prin. Bus. Mktg. & Fin. | 9-11 | |
| 5320 | Money Matters | 10-12 | | 5431 | Introduction to Culinary Arts | 10-12 | | 5311 | Business Info Management I | 9-11 | |
| 5311 | Business Info Management I | 9-11 | | 5432 | Culinary Arts | 11-12 | | 5335 | Sports & Ent. Marketing (.5 credit) | 10-12 | |
| 5321 | Accounting I | 10-12 | | 5433 | Culinary Arts II | 12 | | 5333 | Advertising (.5 credit) | 10-12 | |
| 5313 | Human Res. Mgmt. (.5 credit) | 11-12 | | 5341 | Career Prep I | 11-12 | | 5330 | Entrepreneurship | 10-12 | |
| 5314 | Banking & Fin. Services (.5 credit) | 11-12 | | 5342 | Career Prep II | 12 | | 5320 | Money Matters | 10-12 | |
| 5322 | Accounting II | 11-12 | | Debate | | | | 5340 | Fundamentals of Real Estate | 12 | |
| Animal Science | | | | 0571 | Debate | 9-12 | | Plant Science | | | |
| 5110 | Prin. Of Ag, Food & Nat Res | 9-11 | | 0572 | Advanced Debate II | 10-12 | | 5110 | Prin. Of Ag, Food & Nat Res | 9-11 | |
| 5124 | Small Animal Management (.5 credit) | 10-12 | | 0573 | Advanced Debate III | 11-12 | | 5143 | Horticulture Science | 10-12 | |
| 5121 | Equine Science (.5 credit) | 10-12 | | 0574 | Ind. Study/Advanced Debate IV | 12 | | 5141 | Floral Design | 10-12 | |
| 5122 | Livestock Production | 10-12 | | Design & Multimedia Arts | | | | 5144 | Advanced Plant & Soil Science | 12 | |
| 5123 | Advanced Animal Science | 12 | | 5210 | Prin. Arts, AV Tech & Comm. | 9-11 | | 5142 | Advanced Floral Design | 11-12 | |
| 5125 | Veterinary Medical Applications | 11-12 | | 5311 | Business Info Management I | 9-11 | | 5341 | Career Prep I | 11-12 | |
| 5126 | Vet Field Experience Lab | 12 | | 5351 | Digital Media | 10-12 | | 5342 | Career Prep II | 12 | |
| 5111 | Wildlife Fisheries | 10-12 | | 5352 | Web Technologies | 10-12 | | MULTIDISCIPLINARY | | | |
| 1571 | Aquatic Science | 11-12 | | 5441 | Fashion Design I | 10-12 | | <p>* Four (4) credits in each of the four foundation subject areas (including English IV and Chemistry and/or Physics).</p> <p>* Four (4) AP courses to include one credit in each of the four foundation subjects.</p> <p>* Four (4) Advanced Courses from within one endorsement area that are not in coherent sequence.</p> | | | |
| Applied Agricultural Engineering | | | | 5442 | Fashion Design II | 11-12 | | | | | |
| 5110 | Prin. Of Ag, Food & Nat Res | 9-11 | | 5341 | Career Prep I | 11-12 | | | | | |
| 5131 | Ag Mechanics & Metal | 10-12 | | Digital Communications | | | | | | | |
| 5132 | Ag Structures Design & Fab. | 11-12 | | 5210 | Prin. Arts, AV Tech & Comm. | 9-11 | | | | | |
| 5891 | Dual Credit Machine | 11-12 | | 5311 | Business Info Management I | 9-11 | | | | | |
| 5892 | Dual Credit Auto Tech | 11-12 | | 0561 | Professional Communications | 9-12 | | | | | |
| 5133 | Dual Credit Welding | 11-12 | | 5211 | Audio/Video Production | 10-12 | | | | | |
| 5341 | Career Prep I | 11-12 | | 5212 | Audio/Video Production II | 11-12 | | | | | |
| 5342 | Career Prep II | 12 | | 5213 | Practicum Audio/Video Production | 12 | | | | | |
| Architectural Design | | | | Fashion Design | | | | | | | |
| 5450 | Principles of Architecture | 10-12 | | 5410 | Principles of Human Services | 9-11 | | | | | |
| 5451 | Interior Design I | 10-12 | | 5210 | Prin. Arts, AV Tech & Comm. | 9-11 | | | | | |
| 5452 | Interior Design II | 11-12 | | 5441 | Fashion Design I | 10-12 | | | | | |
| 5341 | Career Preparation I | 11-12 | | 5442 | Fashion Design II | 11-12 | | | | | |
| Business Management | | | | 5341 | Career Prep I | 11-12 | | | | | |
| 5310 | Prin. Business Marketing & Finance | 9-11 | | Journalism | | | | | | | |
| 5311 | Business Info Management I | 9-11 | | 0580 | Journalism | 9-12 | | | | | |
| 5312 | Business Info Management II | 10-12 | | 0581-0583 | Yearbook I-III | 9-12 | | | | | |
| 5332 | Business Law | 11-12 | | 0591-0593 | Newspaper I-III | 9-12 | | | | | |
| 5331 | Business Management | 10-12 | | 0611-0613 | Photojournalism I-III | 9-12 | | | | | |
| 5313 | Human Res. Mgmt. (.5 credit) | 11-12 | | 0554 | Creative Writing | 12 | | | | | |
| 5314 | Banking & Fin. Services (.5 credit) | 11-12 | | 0594 | Independent Study Newspaper | 12 | | | | | |
| 5341 | Career Prep I | 11-12 | | 0584 | Independent Study Yearbook | 12 | | | | | |

Courses in **bold text** are recommended pathway courses but can be modified.

Check with your counselor regarding course availability at your campus.

| PUBLIC SERVICES | | | | | | | | | |
|---|----------------------------------|-------|---|--|-------|--|---|-------|--|
| Teaching and Training | | | Health Care Therapeutic | | | MCJROTC | | | |
| 5420 | Principles of Ed Training | 9-11 | 5510 | Principles of Health Science | 9-11 | 5621 | MCJROTC I | 9-12 | |
| 5421 | Human Growth and Dev | 10-11 | 5512 | Medical Terminology | 9-12 | 5622 | MCJROTC II | 10-12 | |
| 5422 | Instructional Practices | 11-12 | 1551 | Anatomy and Physiology | 11-12 | 5623 | MCJROTC III | 11-12 | |
| 5423 | Practicum In Education | 12 | 5513 | Health Science Theory | 11-12 | 5624 | MCJROTC IV | 12 | |
| 5424 | Peer Coaching For Students | 11-12 | 5515 | Pathophysiology | 11-12 | 5632 | MCJROTC Drill II | 10-12 | |
| 5341 | Career Preparation I | 11-12 | 5514 | Pharmacology | 11-12 | 5633 | MCJROTC Drill III | 11-12 | |
| Cosmetology & Personal Care Services | | | 5516 | Prac. in Health Sci-Certified Clinical Med | 12 | 5634 | MCJROTC Drill IV | 12 | |
| 5410 | Principles of Human Services | 9-11 | 5517 | Prac. in Health Sci -CNA | 12 | 5641 | MCJROTC Student Leadership - Juniors | 11 | |
| 5461 | Cosmetology I | 11-12 | 5518 | Prac. in Health-Pharmacy Technician | 12 | 5642 | MCJROTC Student Leadership - Seniors | 12 | |
| 5462 | Cosmetology II | 12 | 5519 | Dual Credit Emergency Medical Tech | 12 | 5643 | MCJROTC Command Development | 12 | |
| 5330 | Entrepreneurship | 10-12 | MCJROTC courses are available to all qualifying MISD students but are only housed at the MHS campus. Transportation will be provided. | | | | | | |
| Law Enforcement Services | | | | | | | | | |
| 5610 | Principles of Law, Public Safety | 9-11 | | | | | | | |
| 5611 | Law Enforcement I | 10-12 | | | | | | | |
| 5612 | Court Systems and Practices | 10-12 | | | | | | | |
| 5613 | Correctional Services | 10-12 | | | | | | | |
| 5616 | Dual Credit Criminal Justice | 11-12 | | | | | | | |
| 5614 | Forensic Science | 11-12 | | | | | | | |
| ARTS & HUMANITIES | | | | | STEM | | | | |
| Art | | | Choir (W) | | | Engineering | | | |
| 4511 | Art I | 9-12 | 4300 | Bel Canto Choir | 9 | 5801 | PLTW - Intro To Engineering Design | 9-10 | |
| 4522 | Art II Intro to Drawing | 10-12 | 4301-4304 | A Capella Selected Women I-IV | 9-12 | 5802 | PLTW - Civil Engineering and Architecture | 10-12 | |
| 4532 | Art II Intro to Painting | 10-12 | 4321-4324 | Concert Women I-IV | 9-12 | 5803 | PLTW - Aerospace Engineering | 10-12 | |
| 4542 | Art II Sculpture/Mixed Media | 10-12 | 4341-4344 | Varsity Chorale Women I-IV | 9-12 | 5804 | PLTW - Digital Electronics | 10-12 | |
| 4552 | Art II Intro to Ceramics | 10-12 | 4351-4352 | Jazz Show Choir I-II | 9-12 | 5805 | PLTW - Principles of Engineering | 11-12 | |
| 4523 | Art III Intermediate Drawing | 11-12 | 4361-4364 | Madrigals/Chamber Ensemble I-IV | 9-12 | 5806 | PLTW - Engineering Design and Dev. | 12 | |
| 4533 | Art III Intermediate Painting | 11-12 | Choir (M) | | | 5807 | Intro to Robotics and Automation | 10-11 | |
| 4553 | Art III Intermediate Ceramics | 11-12 | 4311 | Concert Men I | 9 | 5808 | Scientific Research & Design Adv Robotics | 11-12 | |
| 4562 | AP Studio Art-Design Portfolio | 11-12 | 4312-4314 | Concert Men II-IV | 9-12 | Cybersecurity | | | |
| 4524 | Art IV Upper Level Drawing | 12 | 4331-4334 | Varsity Choral Men I-IV | 9-12 | 5811 | PLTW-Fundamentals of Comp Sci | 9-12 | |
| 4534 | Art IV Upper Level Painting | 12 | 4361-4364 | Madrigals/Chamber Ensemble I-IV | 9-12 | 5812 | AP Computer Science A | 10-12 | |
| 4554 | Art IV Upper Level Ceramics | 12 | Dance | | | 5813 | PLTW - Foundations of Cybersecurity | 11-12 | |
| Band | | | 4621-4624 | Dance Team I-IV | 9-12 | 5814 | Practicum in STEM | 12 | |
| 4201 | Band I | 9-12 | 4611-4614 | Dance I-IV | 9-12 | Science | | | |
| 4202 | Band II | 10-12 | 4631-4633 | Dance Productions I-III | 9-12 | Five (5) credits in any Science course | | | |
| 4203 | Band III | 11-12 | Theatre Arts | | | Mathematics | | | |
| 4204 | Band IV | 12 | 4401-4404 | Theatre Arts I-IV | 9-12 | Five (5) credits in any Mathematics course | | | |
| 4211-4214 | Band Ensemble I-IV | 9-12 | 4411-4414 | Tech Theatre I-IV | 9-12 | | | | |
| 4221-4224 | Jazz Band I-IV | 9-12 | 4421-4423 | Theatre Productions | 9-12 | | | | |
| 4231-4234 | Percussion I-IV | 9-12 | 4431 | Theatre Directing | 10-12 | | | | |
| Social Studies | | | LOTE | | | | | | |
| Five (5) credits in any Social Studies course | | | Four (4) levels of the same non-English language | | | | | | |
| | | | Two (2) levels of two non-English languages | | | | | | |

Courses in **bold text** are recommended pathway courses but can be modified.

Check with your counselor regarding course availability at your campus.

HIGH SCHOOL GRADUATION TESTING REQUIREMENTS

State Of Texas Assessments Of Academic Readiness (STAAR)

STAAR end-of-course (EOC) assessments are administered for the following courses: Algebra I, Biology, English I, English II, and U.S. History. Satisfactory performance on the applicable assessments is required for graduation, unless otherwise waived or substituted as allowed by state law and rules. There are three testing windows during the year in which a student may take an EOC assessment, which will occur during the fall, spring, and summer months. If a student does not meet satisfactory performance, the student will have additional opportunities to retake the assessment. In limited circumstances, a student who fails to demonstrate proficiency on two or fewer of the required assessments may still be eligible to graduate if an Individual Graduation Committee, (IGC) formed in accordance with state law, unanimously determines that the student is eligible to graduate.

STAAR-Alternate 2 is available for eligible students receiving special education services who meet certain criteria established by the state as determined by the student's ARD committee. An ARD committee for a student receiving special education services will determine whether successful performance on the EOC assessments will be required for graduation within the parameters identified in state rules and the student's personal graduation plan.

An ARD committee for a student receiving special education services will determine whether successful performance on the EOC assessments will be required for graduation within the parameters identified in state rules and the student's personal graduation plan.

STAAR EOC Performance Standards

To find the most recent STAAR EOC Performance Standards, visit the TEA website at:
<http://tea.texas.gov/student.assessment/staar/performance-standards>

GRADE LEVEL CLASSIFICATION

A student is classified according to the number of credits earned at the beginning of the school year. **A student beginning the school year as a freshman WILL NOT be reclassified at midterm; however, a repeat sophomore or junior who earns the required number of credits by the spring semester WILL BE RECLASSIFIED. A fourth year junior will be reclassified to senior status immediately upon earning the required 18 credits.**

| <u>Credits Earned</u> | <u>Classification</u> |
|--|-----------------------|
| 18 – 25½ and 4 th year in high school | Senior |
| 13 – 17½ and 3 rd year in high school | Junior |
| 6 – 12½ and 2 nd year in high school | Sophomore |
| 0 – 5½ | Freshman |

SCHEDULE CHANGES

Administrators select and hire teachers and create the master schedule based on the courses requested by students. After selecting required courses, students should choose electives and alternates carefully. Those decisions are binding. Schedules are determined by course selections; therefore, schedule changes will **ONLY** be made if:

- Senior not enrolled in a class REQUIRED for graduation
- Student scheduled for a class for which he/she already has credit
- Student is scheduled into a class for which the student does not have the prerequisite
- Student not enrolled in an application/audition course for which they were approved
- Counselor's scheduling error
- Balancing of class sizes
- Student needs to add a course to be a full time student/has an incomplete schedule
- Student is cut from any extracurricular program (WITHIN THE CUT DEADLINE)
- IEP/504 Committee decision
- Student not scheduled in elective pathway
- Students may request a schedule change from an advanced/AP class under the following two conditions:
 - 1) A grade of "74" or below for the 1st six weeks
 - 2) At the conclusion of the 1st semester

Note: Grade points are awarded for courses at semester. If a student moves at the end of the 1st six weeks grading period, the grade transfers to the level class and to a level grade. If a student moves at the end of the semester, the semester grade will receive the advanced grade points.

How to handle a schedule concern (Please note that if your schedule reflects those courses and alternates requested on your course selection form, YOU HAVE NO SCHEDULE CONCERNS.)

- Students must complete and turn in the **Schedule Concern-Error Notification Form**, which is available in the Counseling Center, no later than 10 instructional days after the first day of class

- Until your concern is addressed, YOU MUST FOLLOW YOUR CURRENT SCHEDULE
- No student is to leave a class for a schedule concern unless sent for by a counselor
- Requests that are **NOT** turned in by the deadline stated on the form will not be honored

The following Schedule Change requests will **not** be approved:

- Requests for a TEACHER change
- Requests for a lunch change
- Requests for an elective change
- Requests to drop a course after the drop deadline
- Requests to add a course after the add deadline
- Requests to drop an advanced course after the drop deadline
- Requests for a period change

Lost schedule?

Students will receive their official schedule on the first day of each semester. Students must present this official schedule to each instructor the first time they enter each class. **There will be a \$1.00 fee for each replacement schedule, which may be obtained in the Counseling Center.**

How to handle a teacher concern

Montgomery ISD hires only highly qualified staff members and therefore does not allow teacher changes. If a concern with a teacher comes to our attention, our goal is to address the concern and develop a plan to help the student be successful in their current placement.

Students or parents who have a concern should first contact the appropriate staff member and schedule a parent-teacher conference. The most direct route to resolving a concern is to confer directly with the person involved, whether it is a teacher, coach, sponsor, or etc. If the outcome of that meeting is not satisfactory, they may also speak to the department chair to try to resolve the concern. If the concern is still not resolved, they should request a conference with campus administration. Please note that time is required to collect relevant data on the conflict, so scheduling a conference in advance is required.

EARLY RELEASE/LATE ARRIVAL

Early release and late arrival are for seniors only. Credits, grades, attendance, and discipline are all taken into consideration. See campus criteria.

COLLEGE CREDIT COURSES

Students in grades 9-12 have opportunities to earn college credit through the following methods:

- Advanced Placement (AP) Courses and/or Dual Credit (DC) Courses taught in conjunction and in partnership with Lone Star Community College, which may be offered on the high school campus, the Lone Star Campus, or online;
- Enrollment in an AP or dual credit course through the Texas Virtual School Network (TxVSN);
- Enrollment in courses taught at other colleges or universities; and certain high school CTE courses

AWARD OF CREDIT

Per district policy: "A student shall earn a full year of credit if the first semester grade average is below 70, but the second semester grade average brings the overall average to 70 or above. A student who earns a passing grade for the first semester but fails the second semester with a grade below 62 shall earn credit only for the first semester, even if the overall average is for the two semesters is 70 or above. In this circumstance, the student shall be required to retake the second semester in which the failing grade was earned."

In addition to course offerings, the district provides other options for earning high school credits. Distance learning and correspondence courses include courses that encompass the state-required essential knowledge and skills but are taught through multiple technologies and alternative methodologies such as mail, satellite, Internet, video-conferencing, and instructional television. The distance learning opportunities that the district makes available to district students is through the Texas Virtual School Network (TxVSN). If a student wishes to enroll in a correspondence course or a distance learning course that is not provided through the Texas Virtual School Network (TxVSN), in order to earn credit in a course or subject, the student must receive permission from the principal prior to enrolling in the course or subject. If the student does not receive prior approval, the district may not recognize and apply the course or subject toward graduation requirements or subject mastery. Credits earned through credit by examination, correspondence, CLEP, summer school, junior high and virtual school are not included in the GPA and are not used for ranking purposes nor do they replace grades earned during the regular school year on the Academic Achievement Record. The following information should be helpful to students and parents who wish to consider these options.

ADVANCED PLACEMENT (AP) COURSES

The Advanced Placement (AP) Program is a program of college-level courses and exams for secondary students provided on the high school campus. The Advanced Placement Program is administered by the College Board and is a national program. For students who are willing and able to apply themselves to college-level studies while in high school, the program enriches both the secondary and post-secondary educational experience. It also provides the means for colleges to grant credit, placement or both to students who have attained a high level of mastery on an AP Exam. Approximately 2,200 colleges receive these grades and use them as the basis for granting credit and/or placement to entering students whose scores meet their requirements. Colleges may award credit based on the score of the AP Exam. **All students enrolled in AP courses will be required to take the AP exam and will pay for the exam(s) at the beginning of the school year. The current cost of the exam is \$94.** Financial assistance is available for students that qualify, based on their enrollment in the Federal Free and/or Reduced Lunch Program. If a payment plan is required, contact the school administration.

MISD offers these Advanced Placement courses:

- 0532 AP Language and Composition
- 0542 AP Literature and Composition
- 1063 AP Calculus AB
- 1071 AP Statistics
- 1523 AP Biology
- 1533 AP Chemistry
- 1542 AP Physics I
- 1543 AP Physics II
- 1562 AP Environmental Science
- 2013 AP Human Geography
- 2023 AP World History
- 2024 AP European History
- 2032 AP U.S. History
- 2042 AP U.S. Government
- 2053 AP Macroeconomics
- 2062 AP Psychology
- 4042 AP Spanish Language
- 4142 AP French Language
- 4372 AP Music Theory
- 4562 AP Studio Art-Design Portfolio
- 5812 PLTW - Computer Science Applications (AP Computer Science)

Advanced Course & Advanced Placement (AP) Criteria

Advanced Placement courses offer special opportunities for motivated students to pursue academic work that challenges their interests and abilities. These courses offer an environment designed to encourage higher level academic achievement. The student **must** have mastered the most recent state assessments taken to be eligible for these classes. **An Advanced/AP Student/Parent Contract must be submitted along with course registration form.**

Successful students are task-oriented, proficient readers, able to prioritize their time and have parental support. A grade of 65 or above in an Advanced/AP/DC class meets UIL eligibility standards. **However, a grade of 65-69 is not considered a passing grade in regard to satisfactory progress.**

A student who enrolls in an AP class will be required to take the AP exam associated with the class payment for the AP exam will be due within the first 10 days of school failure to set up payment for the AP exam will result in the removal of the student from the AP class at the conclusion of this 10 day period.

Students may exit an Advanced/AP course with parent approval within the first 10 days of the beginning of school or with teacher grade verification at the end of the 1st six weeks of the first semester if they have an average below 75 or they may exit at the end of the first semester. If there is no level course for students to exit to, then the student must remain in the class. When a student transfers from an Advanced/AP course, the grades for that student will transfer to the course in which the student enters. If a student moves at the end of the 1st six weeks grading period, the grade transfers to the level class and to a level grade. If a student moves at the end of the semester, the semester grade will receive the advanced grade points.

COURSES THAT STUDENTS MAY NOT SELF-ELECT FROM AS NO EQUIVALENT LEVEL COURSE IS AVAILABLE:

- 0572 Advanced Debate II
- 0573 Advanced Debate III
- 0574 Independent Study In Speech / Debate IV Advanced
- 1063 AP Calculus AB
- 1071 AP Statistics
- 1523 AP Biology
- 1533 AP Chemistry
- 1543 AP Physics II
- 1562 AP Environmental Science
- 2024 AP European History
- 2053 AP Macroeconomics
- 2062 AP Psychology
- 2081 ACADEC I
- 2082 ACADEC II
- 2083 ACADEC III
- 2084 ACADEC IV
- 4042 AP Spanish Language
- 4131 Advanced French III
- 4141 Advanced French IV
- 4142 AP French Language
- 4372 AP Music Theory
- 4562 AP Studio Art-Design Portfolio
- 5812 PLTW - Computer Science Applications (AP Computer Science)

DUAL CREDIT (DC) COURSES

Dual Credit allows a student to earn high school credit while completing a college course. Dual credit is part of the Lone Star College System, designed specifically for high school juniors and seniors ready for college-level instruction. A dual credit world language course is available for sophomores with successful completion of both Spanish I & II and qualifying TSI scores. Students who demonstrate college readiness on a placement exam can earn college and high school credits simultaneously by attending classes at their high school or at Lone Star College. Many of the classes are transferable to public colleges or universities in Texas, and some are accepted by out-of-state and private colleges.

MISD offers Academic Dual Credit in these LSC Courses:

| | | | |
|----------------------|-----------------------|--|----------------------------|
| English 1301/1302 | Texas Government 2306 | English 2332/2333 | Macroeconomics 2301 |
| College Algebra 1314 | Microeconomics 2302 | Math for Business & Social Science 1324 | Psychology 2301 |
| Statistics 1342 | Sociology 1301 | Calculus for Business & Social Sci. 1325 | Spanish 1411/1412 |
| US History 1301/1302 | Spanish 2311/2312 | Federal Government 2305 | Criminal Justice 1301/1306 |

Workforce Dual Credit is designed to allow high school students to enroll in LSCS credit workforce programs and receive high school credit for career and technical classes. Students who participate in these classes/programs will graduate with career skills and in many cases, a certification approving them for employment in their industry. Please check with your local college campus to see whether or not you can take advantage of this opportunity.

Fees and supplies for these courses typically average between \$200 and \$300.

Auto Technology 1405/1407 1410/1416 EMT 1305 1160/1501 Machining 1302/1343 1338/1352 Welding 1417/1421 1428/1457

Online and workforce dual credit courses are considered as transfer grades. Courses include dual credit Government, Economics, Psychology, Sociology, Welding, Auto Technology, EMT, and Machining. These grades will be converted to the MISD grade conversion scale as follows:

A=95 B=85 C=77 D=72 F=69

- Dual credit courses are college level academic or technical courses taken by high school students for which they receive high school credit and college credit concurrently.
- Typically, courses are open to students in grades 11-12 (including summer of the sophomore and junior year) who are in good academic standing.
- The MISD Board of Trustees shall approve courses for which high school credit shall be granted.
- Specific requirements will be provided by the high school dual credit coordinator.
- Students successfully completing a dual credit course will receive weighted GPA points.
- A college or university awards credit for a dual credit course immediately after a successful completion of the course.
- Dual credit courses require high school students to pay tuition and fees, including books and supplies.
- Dual credit courses may be offered in one of the following ways:
 - The course may be taught on the college campus by a college instructor.
 - The course may be taught on a high school campus by a college instructor.
 - The course may be taught on a high school campus by a qualified high school teacher, or the course delivered by a qualified instructor from another ISD via distance learning capabilities.
 - Online refers to a course that is delivered 100% via web-based instruction.
 - Hybrid refers to a course that has a substantial portion of the course delivered web-based while some learning outcomes require hands-on experience done in face-to-face instruction.

Dual Credit Eligibility Requirements:

- The student has a current admissions application on file with LSCS.
- The student has an admission form with approvals from their high school dual credit coordinator, college designee, and parent/guardian.
- The student has taken an approved assessment:
 - TSI (reading, writing, and/or math relevant to the courses being taken) or
 - Exempt scores based on ACT or SAT.
 - For dual credit students who do not have exemption scores in all sections of the SAT and/or ACT, additional assessment will be required.
- Students shall notify the dual credit coordinator if there is a change in their status at the college/university.
- Credit shall not be awarded without the official presentation of the college transcript or grade report to the dual credit coordinator within ten school days of the grades being posted.
- Transportation is the responsibility of the parent and student. The district is not liable for injury occurring once the student leaves campus.
- If a student earns a D or below, the student will be dropped from the program and may no longer take dual credit courses.
- There is no guarantee of credits being transferred to other colleges or universities.
- The student may be eligible to enroll in workforce education dual credit courses in the eleventh and/or twelfth grade if the student achieves the workforce admissions standards.

Procedures for Withdrawing from Dual Credit:

- Meet with dual credit coordinator
- Complete Lone Star College drop form
- Apply for credit refund in accordance with Lone Star's drop and withdrawal schedule

Concurrent Credit – Juniors or Seniors who meet entrance requirements of a college/university and who have approval from the MISD dual credit coordinator may take other classes at a college or university that will count for college credit but not for high school credit.

Comparing Advanced Placement And Dual Credit

Knowing the differences between Advanced Placement and Dual Credit courses will assist you in planning for both high school and college courses.

ADVANCED PLACEMENT VS. DUAL CREDIT CHART

| | Advanced Placement (AP) | Dual Credit (DC) |
|--------------------------------------|--|---|
| Description | Allows students to take college-level courses and exams, and to earn college credit or placement while still in high school. | Allows high school students to earn both high school and college credit by completing courses at their high school and/or college campus. |
| Credit | Students seeking credit through their AP Exam scores should note that individual colleges and universities, not the College Board, the AP Program or the high school, grant course credit and placement. | Credit is awarded when the student passes the course. Students must pass a DC course with a C or higher to remain in the dual credit program. |
| Teachers/Instructors | Taught by specially trained high school teachers. | Taught by college instructors and/or high school teachers who serve as adjunct professors. |
| College/University Acceptance | Accepted throughout the nation. See individual college for their policy. | Check with individual college for your intended major's academic requirements. |
| Location | Courses are taught on the high school campus. | Courses can be taught on the high school or college campus. |
| Eligibility | Open to any student. | <ul style="list-style-type: none"> • Must be currently attending high school and classified as a Sophomore, Junior, or Senior. • Must have a college placement score on the SAT, ACT, or TSI • Parent/guardian and counselor approval. |
| Cost | Approximately \$94 per test. | The cost is \$73-\$121 per 3 credit hour academic course. Payment to LSCS upon registration. |
| Textbooks | Provided by the school. | Student is responsible for textbooks. |
| Impact on High School GPA | Courses are weighted in the high school GPA. | Courses are weighted in the high school GPA. |

FOREIGN EXCHANGE STUDENTS

The purpose of a foreign exchange program is for cultural and social enrichment. Foreign exchange students are **not eligible to graduate** from MISD nor will they be issued a diploma. MISD cannot complete I-20 forms for any foreign exchange student because Texas law does not allow school districts to charge these students to attend school. This form requires that the District acknowledge the acceptance of tuition from students who attend District schools, but aren't residents of the United States. **MISD has a waiver on file with TEA limiting the number of foreign exchange students that may enroll. Please contact the Counseling Center to verify availability.**

A student that enrolls in MISD as a foreign exchange students must have **approval from the District by August 1** of the school year he/she wishes to enroll and will only be accepted in the fall; there is no mid-term enrollment for a foreign exchange student. The host family must reside within MISD's attendance zone. A foreign exchange student will be **required to take the following courses: English III or AP English Language, US History and US Government.** Additional courses to complete the schedule should enhance the cultural and social experience of the exchange. **If an exchange student wishes to enroll in mathematics or science, he/she must, upon enrollment in MISD, provide recommendations for the level of math and/or science that is best matched for his/her success.** A foreign exchange student must meet the prerequisites, guidelines and level changes as all other MISD students. Regardless of the year in school in their home country, a foreign exchange student is classified as an eleventh grade student. A foreign exchange student will be required to take STAAR EOC assessments for courses in which he/she is enrolled. A foreign exchange student is encouraged to participate in clubs, activities and athletics while enrolled in high school, as well as present information about their home country to the MISD community.

TEXAS VIRTUAL SCHOOL NETWORK (TxVSN)

The Texas Virtual School Network (TxVSN) has been established by the state as one method of distance learning. A student has the option, with certain limitations, to enroll in a course offered through the TxVSN to earn course credit for graduation. The Superintendent or designee shall establish procedures for students to enroll in courses provided by the Texas Virtual School Network (TxVSN). Enrollment in courses through the TxVSN shall not be subject to limitations the district may impose for other distance learning courses. Montgomery ISD will deny requests by students to take a course through TxVSN if our district already offers a substantially similar course.

CREDIT BY EXAMINATION (CBE)

Students seeking original credit for a course in which they have had no prior instruction may take the appropriate exams (Texas Tech or University of Texas) according to the schedule listed above. Students also have the option to take Advanced Placement (AP) exams or College Level Examination Program (CLEP) without prior instruction and receive credit for the class if the student scores:

1. Eighty percent (80%) or above on the criterion-referenced exam for acceleration for the course
2. A three (3) or higher on an AP exam, or
3. A scaled score of fifty (50) or higher on a CLEP exam

If credit is granted, the examination score will be entered on the student's transcript and the student is not required to take an end-of-course assessment instrument for that subject. Students may not attempt more than two times to receive credit for a particular subject on the basis of an examination for credit in that subject.

CBE For Acceleration

A student will be permitted to take an exam to earn credit for an academic course or subject area for which the student has had no prior instruction, i.e., for advancement, or to accelerate to the next grade level. The exams offered by the district are approved by the district's board of trustees, and state law requires the use of certain exams, such as College Board Advanced Placement (AP) and College Level Examination Program (CLEP) tests, when applicable. The dates on which exams are scheduled are published in course selection guides, parent/student handbooks and on the district's website. During each testing window provided by the district, a student may attempt a specific exam only once. There is no fee for examinations for acceleration.

Performance Criteria for Acceleration: To receive credit for the course, the student must score an 80 percent or higher on the district's designated criterion-referenced test covering the requirements in Chapters 74 and 75 of the Texas Administrative Code (TAC) and district objectives of the course.

Granting and Recording Credit: Test scores will be posted to the AAR and credit will be awarded for grades of 80 or higher. No advanced course designations will be given. CBE grades will not be computed in the GPA and/or used for ranking purposes.

CBE For Verification

Eligible students have the opportunity to earn credit in courses for which they **have had prior instruction** through CBE. See the counselor for specific information about courses and requirements. The high school CBE for verification program is for students who participated in home schooling, attended a non-accredited school or had a non-traditional academic background.

Performance Criteria for Verification: To receive credit for the course, the student must score a 70 percent or higher on the district's designated criterion-referenced test covering the requirements in Chapters 74 and 75 of the TAC and district objectives of the course.

Granting and Recording Credit: Test scores will be posted to the AAR and credit will be awarded for grades of 70 or higher. No advanced course designations will be given. CBE grades will not be computed in the GPA and/or used for ranking purposes.

CBE For Retrieval

A student who has previously taken a course or subject – but did not receive credit or a final grade for that subject – may, in circumstances determined by the principal or attendance committee, be permitted to earn credit by passing an exam approved by the district's board of trustees on the essential knowledge and skills defined for that course or subject. Prior instruction may include, for example, incomplete coursework due to a failed course or excessive absences, homeschooling, or coursework by a student transferring from a non-accredited school. The opportunity to take an examination to earn credit for a course or to be awarded a final grade in a subject after the student has had prior instruction is sometimes referred to as "credit recovery."

The school counselor or principal would determine if the student could take an exam for this purpose. If approval is granted, the student must score at least 70 on the exam to receive credit for the course or subject. The attendance review committee may also offer a student with excessive absences an opportunity to earn credit for a course by passing an exam.

For further information, see the school counselor and policy EHDB (LOCAL).

Performance Criteria for Retrieval: To receive credit for the course, the student must score a 70 percent or higher on the district's designated criterion-referenced test covering the requirements in Chapters 74 and 75 of the TAC and district objectives of the course.

Granting and Recording Credit: Test scores will be posted to the AAR and credit will be awarded for grades of 70 or higher. No advanced course designations will be given. CBE grades will not be computed in the GPA and/or used for ranking purposes.

CORRESPONDENCE COURSES

State-required credits for graduation may be earned through correspondence courses. Courses must be taken from the University of Texas Extension Division or the Extension Division of Texas Tech University. The student is responsible for fees and books required for correspondence courses.

- **Correspondence Courses for Initial Credit:** A student may take a maximum of four (4) semesters (2 credits) through correspondence. Information for correspondence courses is available through the Counseling Center.
- **Correspondence Courses for Retrieval of Credit:** Information for correspondence courses for retrieval of credit is available through the Counseling Center.

Correspondence grades must be received by May 1st if the grades are necessary for graduation. **Students will not be allowed to use these grades for purposes of participating in the graduation exercise after this date.** Grades earned in this manner are not included in the GPA and not used for ranking purposes nor do they replace grades earned during the school year on the AAR.

SUMMER SCHOOL

Summer school courses may be used for remediation or retrieval of credit depending on the offering institution. Courses offered should be comparable to the same courses taught during the regular school semester(s) in content and achievement standards. Grades earned in this manner are not included in the GPA and not used for ranking purposes, nor do they replace grades earned during the regular school year on the AAR. Students should see their assigned counselor for additional information.

JUNIOR HIGH COURSEWORK

High school courses taken in junior high school will earn credit toward the 26 credits required for graduation. However, it is strongly suggested that students complete four (4) math credits in high school for college readiness. Grades earned in junior high are not included in the GPA and not used for ranking purposes nor do they replace grades earned during the regular school year on the AAR.

CAREER & TECHNICAL EDUCATION (CTE)

The Career and Technical Education Department encourages students to pursue certification and licenses as appropriate. Certification and licenses are available in the selected Career and Technical Education program areas. Students should consult with their teachers and/or counselors to discuss the various opportunities and fees involved. The following certifications are offered at MISD or through LSCS:

- Floral Design Certification – Floral Design Students
 - Microsoft Office Specialist (MOS) – BIM Students
 - OSHA – Most CTE classes offer this certification
 - Servsafe – Culinary Arts Students
 - Pharmacy Technician (CPHT) – Pharmacy Tech students
 - Certified Nurses Aid (CNA) – CNA students
 - Certified Veterinary Assistant – Veterinary students
 - Emergency Medical Technician (EMT) – Lone Star Technical Credit Course
 - National Institute for Automotive Service Excellence (ASE) – Automotive Technology classes at Lone Star
 - National Center for Construction Education and Research (NCCER) – Welding and Machining classes at Lone Star
 - Armed Forces – Students eligible for Service Academy appointments, ROTC Scholarships and enlisted promotion to E-2.
-

GRADE POINT SYSTEM

Class ranking is determined by the student's GPA. The GPA is calculated by averaging semester grades earned in all high school credit courses taken in grades 9-12. The calculation of class rank and GPA excludes grades earned in or by: summer school; credit by examination, with or without prior instruction; night school; pass/fail courses; distance learning; student aide credits; off campus PE, and grades earned prior to grade 9 for high school credits.

| GRADE POINT SYSTEM | | | | | | |
|---------------------------|-------------------|----------------|-------------------|----------------------------|---------------------|-----|
| GRADE | MODIFIED ▼ | LEVEL † | ADVANCED ‡ | AP* & MISD-DC** | LONE STAR-DC | |
| 100 | 3.0 | 4.0 | 4.5 | 5.0 | A | 4.5 |
| 99 | 2.9 | 3.9 | 4.4 | 4.9 | | |
| 98 | 2.8 | 3.8 | 4.3 | 4.8 | | |
| 97 | 2.7 | 3.7 | 4.2 | 4.7 | | |
| 96 | 2.6 | 3.6 | 4.1 | 4.6 | | |
| 95 | 2.5 | 3.5 | 4.0 | 4.5 | | |
| 94 | 2.4 | 3.4 | 3.9 | 4.4 | | |
| 93 | 2.3 | 3.3 | 3.8 | 4.3 | | |
| 92 | 2.2 | 3.2 | 3.7 | 4.2 | | |
| 91 | 2.1 | 3.1 | 3.6 | 4.1 | | |
| 90 | 2.0 | 3.0 | 3.5 | 4.0 | | |
| 89 | 1.9 | 2.9 | 3.4 | 3.9 | B | 3.5 |
| 88 | 1.8 | 2.8 | 3.3 | 3.8 | | |
| 87 | 1.7 | 2.7 | 3.2 | 3.7 | | |
| 86 | 1.6 | 2.6 | 3.1 | 3.6 | | |
| 85 | 1.5 | 2.5 | 3.0 | 3.5 | | |
| 84 | 1.4 | 2.4 | 2.9 | 3.4 | | |
| 83 | 1.3 | 2.3 | 2.8 | 3.3 | | |
| 82 | 1.2 | 2.2 | 2.7 | 3.2 | | |
| 81 | 1.1 | 2.1 | 2.6 | 3.1 | | |
| 80 | 1.0 | 2.0 | 2.5 | 3.0 | | |
| 79 | 0.9 | 1.9 | 2.4 | 2.9 | C | 2.7 |
| 78 | 0.8 | 1.8 | 2.3 | 2.8 | | |
| 77 | 0.7 | 1.7 | 2.2 | 2.7 | | |
| 76 | 0.6 | 1.6 | 2.1 | 2.6 | | |
| 75 | 0.5 | 1.5 | 2.0 | 2.5 | | |
| 74 | 0.4 | 1.4 | 1.9 | 2.4 | | |
| 73 | 0.3 | 1.3 | 1.8 | 2.3 | | |
| 72 | 0.2 | 1.2 | 1.7 | 2.2 | | |
| 71 | 0.1 | 1.1 | 1.6 | 2.1 | D | 2.2 |
| 70 | 0.05 | 1.05 | 1.55 | 2.05 | | |
| <70 | 0.0 | 0.0 | 0.0 | 0.0 | | |

▼ **Modified Content Courses:** The District shall categorize and weight as Modified Content each eligible course for which a student's Individual Education Plan (IEP) Committee has modified the required content in relation to the Texas Essential Knowledge and Skills (TEKS) and has reflected these changes in the student's IEP.

† **Level Courses:** All eligible courses not considered Dual Credit, Advanced Placement, Advanced or Modified in content shall be categorized and weighted as Level Courses.

‡ **Advanced Courses:** Eligible courses locally designated as advanced courses in the course selection guide shall be categorized and weighted as Advanced Courses.

* **Advanced Placement/Dual Credit:** All College Board recognized Advanced Placement and Dual Credit courses shall be categorized and weighted as Advanced Placement/Dual Credit.

** **MISD taught dual credit:** Courses are dependent upon teacher certifications and may vary by campus. Please check with your counselor to verify MISD taught dual credit courses each year.

Grade Equivalent And Conversion Scale

TRANSFER GPA/CREDIT POLICY:

MISD accepts all grades and credits (including summer school, CBE and correspondence courses) required for graduation earned at any accredited public school within Texas.

Advanced, Advanced Placement (AP) and Dual Credit grade points will only be given for those advanced, AP and Dual Credit courses offered to MISD students. If the course isn't offered in MISD, the AAR will indicate the course as advanced, AP or Dual Credit, and it will carry level grade points.

Transcripts and coursework for students transferring from non-accredited schools (including home schooling) will be evaluated to verify if the content of courses for which the student has received instruction and/or earned credit meets the criteria approved by the SBOE for Grades 9 through 12 relating to TEKS. The campus principal or designee will determine if additional verification of course content mastery is necessary in order to award credit.

GRADES FROM OTHER SCHOOLS WILL BE CONVERTED TO THE MISD GRADING SCALE AS STATED IN THE FOLLOWING POLICY:

- If transfer grades from other schools are reported in letter grades or percentages with no conversion scale provided, grades will be converted to the state and MISD grade conversion scale as follows:

| | | | | |
|---------|---------|---------|---------|--------|
| A+ = 99 | B+ = 89 | C+ = 79 | D+ = 74 | F = 69 |
| A = 95 | B = 85 | C = 77 | D = 72 | |
| A- = 92 | B- = 82 | C- = 75 | D- = 70 | |
- Numerical grades and award of credit will be accepted from other districts as they are printed on their official transcript. For numerical grades from districts where the passing standard is less than 70, a designation of "P" will be used to award credit. However, grade points will not be assigned. Numerical grades, which are not passing in the sending school, will not receive credit or grade points in high school for those courses.
- If transfer grades from other schools are reported in letter grades or percentages, MISD will honor the conversion scale printed on the official transcript or provided in writing from an official of the sending school.
- If a student's transcript reflects a grading scale different from the circumstances stated above, every effort will be made to convert the grades as closely as possible to the MISD grading scale.

HIGH SCHOOL GRADES, FOR NCAA ELIGIBILITY CONSIDERATION, EQUATE TO THE FOLLOWING:

| | |
|-------------|------------------------|
| 100-90 | A (4.0 quality points) |
| 89-80 | B (3.0 quality points) |
| 79-70 | C (2.0 quality points) |
| 69 or below | F (0 quality points) |

Academic Letter

An Academic Letter is awarded to students that have maintained a 3.5 GPA for four semesters. **The four semesters do not have to be consecutive.** Students that meet the requirements need to sign up with the registrar. Academic Letters are awarded in the spring.

Class Ranking

Senior Rankings are released each year in September and February. Final rankings will be calculated after the Fall Semester. The three-year graduate will be ranked with the graduating class according to his/her GPA.

Junior rankings are released at the end of the 1st, 4th, and 6th grading periods each year.

Sophomore and Freshman rankings are released at the end of the 4th and 6th grading periods each year.

Students who have not completed attendance requirements by the date class ranks are computed will be ranked as credit attempted but no credit received. The class rank **will not** be recalculated at the time the credit is earned, but at the next scheduled time for the appropriate grade level.

INTERSCHOLASTIC COMPETITION ELIGIBILITY

Students in grades 7 through 12 may participate in extracurricular activities on-campus or off-campus at the beginning of the school year only if they have earned the cumulative number of credits in state-approved courses as indicated below, with the exception of special education students whose status is defined by the ARD committee and their own IEP's.

- 1) Beginning in Grade 7 and continuing through Grades 8 and 9: must have been promoted from previous grade, not placed.
- 2) Beginning in Grade 10 or the second year of high school (Grades 9 through 12): must have earned five (5) state credits.
- 3) Beginning in the third year of high school: must have earned ten (10) state credits or must have earned five (5) state credits during the preceding 12 months.
- 4) Beginning in the fourth year of high school: must have earned 15 state credits or must have earned five (5) state credits during the preceding 12 months.

Credits earned in summer school or in correspondence may be used to determine eligibility.

At the end of a grading period, a student who receives a grade below 70 (grade below 65 in an Advanced Placement, or an advanced or a dual credit course in English/Language Arts, mathematics, science, social studies, economics, or a foreign language) in any academic class may not participate in extra-curricular activities for at least three school weeks. The student becomes ineligible seven (7) days after the last day of the six-weeks grading period. **For example, if the six-week grading period ends at 2:35 p.m. on Friday, October 4, the suspension would take effect at 2:35 p.m. on Friday, October 11.**

A student regains eligibility seven calendar days after the school's three-week evaluation period, if the student is passing all courses on that last class day. The student's work is evaluated from the first class day of the new grading period to the end of the three school week evaluation period. If the student has at least a minimum grade of 70 on a scale of 70 -100 for work done since the end of the previous grading period, the student may regain eligibility seven calendar days later at the time the regular school day ends. Parents and students are encouraged to consult the coach/sponsor if there is a question. **Note: Schools taking breaks of one week or more are reminded that those weeks do not count as part of this period. All students are eligible during this time.**

Students who assist the sponsor or coach, such as student managers, must meet all academic eligibility requirements even though they do not participate in the performance or contest. Students must also be in attendance at least one half-day prior to competition or practice to be eligible for either practice or activity. Lastly, a student receiving a course grade of "I" (Incomplete, pending completion of required work) is considered ineligible until the "I" is replaced with a passing grade for that grading period.

Courses Exempted From No Pass / No Play

Below is a list of advanced courses to be exempted for No Pass - No Play purposes, as per SB 1517, section 33.081 Education Code. For the purpose of determining student eligibility in extracurricular activities on-campus or off-campus, a grade below 65 in any of these classes will make a student ineligible for those extracurricular activities for at least three school weeks. Refer to "Interscholastic Competition Eligibility" for additional explanation.

| | | |
|-------------------------------------|-----------------------------------|--|
| Advanced Debate II-IV | AP US History | AP Statistics |
| Advanced English I-II | AP World History | Advanced Biology |
| AP English Language & Composition | AP Music Theory | Advanced Chemistry |
| AP English Literature & Composition | AP Studio Art 2D Design Portfolio | AP Biology |
| ACADEC I-IV | Advanced French II-III | AP Chemistry |
| Advanced World Geography | Advanced Spanish II-III | AP Environmental Science |
| Advanced World History | AP French Language | AP Physics 1 |
| AP European History | AP Spanish Language | AP Physics 2 |
| AP Human Geography | Advanced Algebra I-II | AP Computer Science Applications |
| AP Macroeconomics | Advanced Geometry | All Dual Credit & Dual Credit CTE courses |
| AP Psychology | Advanced Pre-Calculus | All year-long Project Lead the Way courses |
| AP US Government | AP Calculus | |

COLLEGE ENROLLMENT/FINANCIAL AID/SCHOLARSHIPS

Higher education and technical skills are important for most careers in our highly complex world. Information to aid in planning for post-secondary education, universities, technical schools or military service is available through the College and Career Center. Free information on college preparation for middle and high school students, easy-to-understand descriptions of the different types of student financial aid available, insights to popular careers, plus links to every college website in Texas are available at www.CollegeforAllTexans.com. Student and parent orientations are provided each spring during registration to address high school course selection related to post-secondary education. Keep up to date by visiting the Montgomery ISD website.

Some important information to consider when planning secondary (high school) coursework and post-secondary (college and technical school) entrance is listed below:

1. Traditionally students ranked in the top 6%-10% of their graduating class are eligible for automatic admission to most public universities in Texas. Specific requirements are addressed in the previous section on "Honor Graduates."

2. Colleges and universities have course entrance requirements that may be above those required for graduation from high school. Some colleges and universities in Texas now require students to graduate under the RHSP or FHSP W/ Endorsement as an admission requirement.
3. SAT or ACT college entrance examinations are required for admission to four-year colleges and universities. Consult college catalogs and/or websites to determine which test to take and deadlines. Registration forms and prep materials are available in the Counseling Center or on the SAT/ACT websites. It is the student's responsibility to determine testing dates and registration deadlines, register for the test and pay any registration or related fees for the test. Students should take these exam(s) before January if they intend to apply for financial assistance. For information on SAT registration and deadlines, visit the College Board website at www.collegeboard.org. For information on accommodations, visit the College Board website at www.collegeboard.org/students-with-disabilities. For information on ACT registration and deadlines, visit the ACT website at www.act.org.

Students are encouraged to select their college early in their high school career. Once accepted by a college, students are generally notified of summer orientation programs. Students are encouraged to attend these orientations.

Students attending Texas public colleges and universities can use the Apply Texas Application, which is available on-line at www.applytexas.org. Current information on specific college/university entrance applications and entrance requirements should be requested from the college or university. Students who intend to live on campus should obtain an application for housing early in the fall of their senior year.

All students should fill out the FAFSA (Free Application for Federal Student Aid) during their senior year. This form is available on-line at <https://fafsa.ed.gov>. This form must be on file in the financial aid office of the college or university you plan to attend to determine if you are eligible for state, federal or institution financial aid in the form of grants, scholarships and/or loans. Scholarship information is posted on the high school website. Parents are encouraged to contact their employers regarding scholarships they may offer to children of their employees.

IMPORTANT INFORMATION FOR SENIORS

Pass / Fail Courses

Guidelines and conditions for selecting a course to be taken on a PASS/FAIL basis: MISD shall permit a fourth year student who has reached senior status to take, during each semester, up to two courses not required for graduation credit under the student's graduation program. Grades earned as pass/fail will not count toward class rank. The following terms and conditions apply. **PASS/FAIL PERMISSION FORMS are available in the Counseling Center.**

The student shall:

1. Have passed all sections of their state-mandated testing requirements for graduation.
2. Be required to have written parental permission.
3. Be required to take concurrently at least four courses for traditional grades.
4. Declare pass/fail status at the time of course selection or no later than the tenth day the class meets for the semester in which the course will be taken. Once pass/fail status has been selected by the student, it cannot be changed back during that semester.
5. The student will be given a numerical grade each six weeks. At the end of the semester, a grade of pass/fail will be placed on the report card. Final exemption guidelines for senior exemptions set out in the student handbook shall apply to pass/fail courses.
6. The student and parent are responsible for verifying with any college or university to which the student plans to apply that pass/fail courses will be accepted for credit.
7. In order to maintain eligibility in extracurricular activities while taking courses on a pass/fail basis, a student shall be required to make a passing grade each six weeks.

Honor Graduates

Valedictorian: The four-year graduate with the highest GPA holds the honor of valedictorian. A three-year graduate with a GPA as high as or higher than the highest four-year graduate shall be considered tied for valedictorian honors, and salutatorian status will not be affected. In order to be eligible for valedictorian, a student must be in attendance for four consecutive semesters of his/her final two school years.

Salutatorian: The four-year graduate with the second highest GPA holds the honor of salutatorian. A three-year graduate with a GPA as high as or higher than the second-highest four-year graduate but less than the valedictorian will be considered tied for salutatorian honors. In order to be eligible for salutatorian, a student must be in attendance at MISD four consecutive semesters of his/her final two school years.

State of Texas Top 10% Graduates: This group of students consists of both three-year and four-year graduates that fall among the top 10% of the graduating class at the time of official rankings. They are eligible for automatic admission to any public university in Texas, except the University of Texas based upon their sixth semester GPA and ranking. To be eligible for automatic admission, a student must:

- ✓ Graduate in the top 10% of his/her class at a public or private high school in Texas;
- ✓ Enroll in college no more than two years after graduating from high school; and since deadlines vary, students should check with the specific university to verify the application deadline.

- ✓ Submit an application to a Texas public university for admission before the institution's application deadline.

State supported colleges and universities may limit the number of first-time freshmen admitted under this policy if the number of first-time freshmen eligible for admission exceeds, by more than 10%, the average size of the first-time freshmen classes admitted the previous two years.

Honor Graduates: This group of graduates is determined after the final senior class ranking following the First Semester. It includes the top 10% of the graduating class consisting of the three-year and four-year graduates as determined by the State of Texas Top 10% guidelines as well as any four-year graduates that may have been displaced by the addition of the three-year graduates. This group, therefore, may include slightly more than 10% of the graduating class. In accordance with Texas Education Code (TEC), §28.026, and Texas Administrative Code (TAC), §61.1201, school districts are required to provide eligible students with written notification of eligibility for automatic college admission under the Uniform Admission Policy (TEC §51.803). No later than the 14th day after the last day of classes for the fall semester, a campus designee shall notify each eligible senior, each junior with a grade point average in the top ten percent, and each student's parent or guardian of the student's eligibility for automatic college admission.

Early Graduation

A student wanting to participate in graduation exercises and receive a diploma in less than four years shall make written application to the counselor **by October of his/her Sophomore year**. The student will receive counseling regarding early high school graduation. Early graduation students will be ranked with the graduation class according to his/her GPA as addressed in the previous section on "Class Ranking." Valedictorian, salutatorian, State of Texas Top 10% and high school Honor Graduate designations are addressed in the previous section on "Honor Graduates."

***Please Note: Students may not graduate early on the Foundation High School Plan without an endorsement.**

College Admission Eligibility Requirements (House Bill 3826)

Effective **September 1, 2007** and thereafter, this law states that institutions of higher learning shall admit any applicant who is the child of a public servant killed or having sustained a fatal injury in the line of duty. Applicants need to meet the minimum requirements of the institution of higher learning.

Certificate Award / 4-Year Special Service Student (Senate Bill 673)

Students receiving special education services can opt to participate in the graduation ceremony after their fourth year of high school. A certificate of attendance will be issued instead of a diploma to allow students to participate in commencement exercises with their same age peer/class cohort. The statute limits student participation to only one graduation ceremony.

Texas Public University / College Automatic Admission

Students graduating in the top 10% of our school's graduating class are granted automatic admission into a Texas public four-year university or college for two years following graduation, except for the University of Texas (UT). UT sets the top graduating percentage and it is posted on their website. To qualify for this automatic admission, students must complete one of the following two criteria:

1. Complete the Texas Foundation High School with Endorsement Graduation Plan.
2. Satisfy the College Readiness Benchmarks*.

| College Readiness Benchmarks | | |
|------------------------------|-----------|--------------------------------|
| ACT Score | SAT Score | TSI Score |
| English: 18* | EBRW 480 | Writing: 340 with 4 on essay** |
| Reading: 22 | - | Reading: 351-390 |
| Mathematics: 22 | Math 530 | Mathematics: 350-390 |
| Science: 23 | - | - |

*Lone Star College requires a composite score of 23 on the ACT with at least a 19 in English and at least a 19 in Math to be exempt from taking the TSI. Scores must be less than 5 years old and achieved in one sitting.

**a placement score of less than 340, and an ABE Diagnostic level of at least 4, and an essay score of at least 5.

NCAA FRESHMAN-ELIGIBILITY STANDARDS

Division I academic eligibility

To be eligible to compete in NCAA sports during your first year at a Division I school, you must graduate high school and meet ALL the following requirements:

Complete 16 core courses:

- Four years of English
- Three years of math (Algebra 1 or higher)
- Two years of natural/physical science (including one year of lab science if your high school offers it)
- One additional year of English, math or natural/physical science
- Two years of social science
- Four additional years of English, math, natural/physical science, social science, foreign language, comparative religion or philosophy
- Complete 10 core courses, including seven in English, math or natural/physical science, before your seventh semester. Once you begin your seventh semester, you may not repeat or replace any of those 10 courses to improve your core-course GPA

Earn at least a 2.3 GPA in your core courses.

Earn an SAT combined score or ACT sum score matching your core-course GPA on the Division I sliding scale, which balances your test score and core-course GPA. If you have a low test score, you need a higher core-course GPA to be eligible. If you have a low core-course GPA, you need a higher test score to be eligible.

Division II Academic Eligibility

If you enroll BEFORE August 1, 2018

To be eligible to compete in NCAA sports during your first year at a Division II school, you must meet academic requirements for your core courses, grade-point average (GPA) and test scores. You must graduate high school and meet ALL the following requirements:

Complete 16 core courses:

- Three years of English.
- Two years of math (Algebra 1 or higher).
- Two years of natural or physical science (including one year of lab science if your high school offers it).
- Three additional years of English, math or natural or physical science
- Two years of social science
- Four additional years of English, math, natural or physical science, social science, foreign language, comparative religion or philosophy

Earn at least a 2.0 GPA in your core courses.

Earn a SAT combined score of 820 or an ACT sum score of 68. Remember, if you took the SAT on or after March 2016 you need to compare your score on the College Board concordance table. The 820 score is after the concordance table is applied.

Division II Academic Eligibility

If you enroll AFTER August 1, 2018

To be eligible to compete in NCAA sports during your first year at a Division II school, you must meet academic requirements for your core courses, grade-point average (GPA) and test scores. You must graduate high school and meet ALL the following requirements:

Complete 16 core courses:

- Three years of English.
- Two years of math (Algebra 1 or higher).
- Two years of natural or physical science (including one year of lab science if your high school offers it).
- Three additional years of English, math or natural or physical science
- Two years of social science
- Four additional years of English, math, natural or physical science, social science, foreign language, comparative religion or philosophy

Earn at least a 2.2 GPA in your core courses.

Earn an SAT combined score or ACT sum score matching your core-course GPA on the Division II sliding scale, which balances your test score and core-course GPA. If you have a low test score, you need a higher core-course GPA to be eligible. If you have a low core-course GPA, you need a higher test score to be eligible.

For the latest information, on NCAA requirements and eligibility visit:

The NCAA Future Student Athlete page - <http://www.ncaa.org/student-athletes/future>

The NCAA Eligibility Center page - <http://www.eligibilitycenter.org>

Course Selection Catalog

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ENGLISH LANGUAGE ARTS

0511 English I

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: Grammar, composition, vocabulary, reading and literature are explored and studied. Listening and speaking skills will be used in analyzing and interpreting information. Available technology, including databases and the internet, will be utilized in all courses in the sequence for research papers. English I and II offer a comprehensive study of grammar and practice in basic reading and writing skills; literature instruction will be by theme. English III offers a study of American literature, while English IV offers the study of British literature. English I-IV is taken in sequence.

Credit Type: English State Credit

0512 Advanced English I

Grade(s): 9-10 **Term:** Year **Credits:** 1

Prerequisites - See Advanced Criteria

Course Description: Advanced English I and II are designed to prepare students for the English AP Exam given at the junior/senior level. These courses include extensive independent reading in all genres of world literature, development of higher level critical thinking skills, and the use of the writing process to compose various forms of discourse for a variety of audiences and purposes. Students must be prepared to devote considerable hours to independent readings and outside projects.

This course receives advanced weighting in the GPA.

Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses. Purchase of novels may be required.

Credit Type: English State Credit

0521 English II

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - English I

Course Description: See course description for English I.

Credit Type: English State Credit

0522 Advanced English II

Grade(s): 9-10 **Term:** Year **Credits:** 1

Prerequisites - See Advanced Criteria

Course Description: See course description for Advanced English I.

This course receives advanced weighting in the GPA.

Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses. Purchase of novels may be required.

Credit Type: English State Credit

0531 English III

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - English II

Course Description: See course description for English I.

Credit Type: English State Credit

0532 AP Language and Composition

Grade(s): 11 **Term:** Year **Credits:** 1

Prerequisites - English II/See AP Criteria/Admissions Committee Approval

Course Description: AP Language & Composition is designed to provide students with an opportunity to complete the equivalent of a college level rhetoric and composition course. Students will read mainly non-fiction from a variety of periods, disciplines, and rhetorical contexts. The course develops writing techniques, research skills, and analysis of literature necessary for college success. Students must be prepared to devote considerable time to writing.

This course receives AP/DC weighting in the GPA. See AP criteria.

Credit Type: English State Credit

0533 Dual Credit English III (Eng 1301/1302 for Juniors)

Grade(s): 11 **Term:** Year **Credits:** 1

Prerequisites - Passing Entrance Tests Scores As Determined By Lone Star College/See Dual Credit Criteria/Eng II

Course Description: First semester, students receive credit for ENGL 1301 at LSCS. Intensively studies and practices the writing process, from invention and researching to drafting, revising, & editing. Focuses on writing argumentative essays ethically & effectively with rhetorical choices of audience, purpose, organization, and style, as well as rhetorical inquiry and primary and secondary research. Second semester, students receive credit for ENGL 1302 at LSCS. A continuation of 1301. Emphasizes critical reading of literature and developing arguments based on author's rhetorical choices and literary elements like theme, plot, and characterization.

This course receives AP/DC weighting in the GPA. Students must pass both ENGL 1301 & 1302 to be awarded English III or English IV state credit.

Credit Type: English State Credit

0534 College Readiness English (Dual Credit Integrated Reading and Writing II)

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - English III

Course Description: This is a combined lecture/lab, performance-based course designed to develop students' critical reading and academic writing skills for college English courses. The course integrates preparation in basic academic reading skills with basic skills in writing a variety of academic essays. The course fulfills TSI requirements for reading and writing. This course carries institutional credit but will not transfer and may not be used to meet degree requirements - ENGL 0309. This course prepares students for Dual Credit ENGL 1301.

This course does NOT receive advanced weighting in the GPA. This course can only be taken as a 4th English credit.

Credit Type: English State Credit

0541 English IV

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - English III

Course Description: See course description for English I.

Credit Type: English State Credit

0542 AP Literature and Composition

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - English III/See AP Criteria/Admissions Committee Approval

Course Description: AP Literature & Composition is designed to provide college level studies for students with an above average ability in English III who are planning to enter a four-year university upon high school graduation, and help prepare for the AP Literature and Composition Exam. Students will read and analyze British literary works in class and will read widely outside of class. The instruction provides the students with sophisticated techniques for success in writing on a college level.

This course receives AP/DC weighting in the GPA. See AP criteria.

Credit Type: English State Credit

0543 Dual Credit English IV (Eng 1301/1302 for Seniors)

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - Passing Entrance Tests Scores As Determined By Lone Star College/See Dual Credit Criteria/English III

Course Description: See course description for Dual Credit English III (Eng 1301/1302 for Juniors).

This course receives AP/DC weighting in the GPA.

Credit Type: English State Credit

0544 Dual Credit English IV (Eng 2332/2333)

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - Dual Credit English III (Eng 1301/1302 for Juniors), Passing Entrance Tests Scores As Determined By Lone Star College/See Dual Credit Criteria/English III

Course Description: First semester, students receive credit for ENGL 2332 at LSCS. This course is a survey of world literature from the ancient world through the 16th century. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Second semester, students receive credit for ENGL 2333 at LSCS. This class develops the skills needed in the writing of technical papers, reports, proposals, progress reports and descriptions. The course also briefly covers oral reporting.

This course receives AP/DC weighting in the GPA.

Credit Type: English State Credit

0545 Film as Literature

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - English I, English II, English III

Course Description: This course emphasizes film as literature with a focus on film history, techniques, and genres. Using film as text, students explore the relationships in visual media among concept, theme, structure, and style. Focusing on film as an intellectual and visual puzzle

to be discovered like a book or short story, students are encouraged to develop analytical skills and refine their critical abilities through the viewing of modern and classic films. Students can expect required readings, writing, discussions, and multimedia projects.

This course can only be taken as a 4th English credit.

Credit Type: English State Credit

0546 Gothic Literature

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - English I, English II, English III

Course Description: Ghost stories, dark fairy tales, and the macabre -- for centuries, Gothic tales have influenced fiction writers and fascinated readers. In this class the student will study and explore the origins, major themes, and common elements found in gothic literature including a close look at the purposes, complexities, and imagery of the literature and how it has evolved over the last four centuries. As the student completes the course, he/she gains an understanding of and an appreciation for the complex nature of Gothic literature.

This course can only be taken as a 4th English credit.

Credit Type: English State Credit

0550 Research and Technical Writing

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - English III

Course Description: This composition course develops skills that are necessary for writing persuasive and informative texts such as essays, reports, proposals, and memoranda as they are used in a variety of professions. Students learn how to research topics and to present the results of their research through a variety of media and how to analyze and discuss published and unpublished articles. The goal of this writing intensive course is to better prepare students for the writing they will encounter at college and/or the workplace.

This course can only be taken as a 4th English credit.

Credit Type: English State Credit

0551 English I For Speakers of Other Languages

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - LPAC Decision

Course Description: This course is designed for students who have a primary language other than English. This course may take the place of regular English I.

Credit Type: English State Credit

0552 English II For Speakers of Other Languages

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - LPAC Decision

Course Description: See course description for English I For Speakers of Other Languages.

Credit Type: English State Credit

0553 Practical Writing Skills

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: Practical writing is designed for students who are interested in developing basic writing skills for practical situations.

Course curriculum includes writing for practical situations and using effective written language for the following: writing business letters, inquiries and requests; preparing letters of application, application forms and taking notes. Emphasis is on use of correct spelling; use of appropriate vocabulary; use of appropriate punctuation; use of grammatically correct spelling, effective use of paragraphs, practice in legible handwriting and practice in EOC test writing.

Credit Type: State Elective Credit

0554 Creative Writing

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: This course will provide a writing workshop for those students interested in the creative aspect of writing. The student will analyze various literary works in different genres. Original works will be produced by the student in the form of short stories, plays, poems, and various non-fiction pieces. Opportunities will be offered to students who wish to have their work published.

This course can only be taken as a 4th English credit.

Credit Type: English State Credit

0555 Bible Literature and History

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - English I, English II, English III

Course Description: Old and new testament are studied from a historical perspective, following federal and state guidelines in maintaining religious neutrality and accommodating diverse religious views, traditions, and perspectives. Students will analyze literary forms and contents of the Bible so they have a better understanding of its influences on literature, art, culture, law, government, customs, morals, and values. Students selecting this elective should demonstrate strong motivation and high ability in reading, writing analysis, researching, speaking and listening.

This course can only be taken as a 4th English credit.

Credit Type: English State Credit

0561 Professional Communication

Grade(s): 9-12 **Term:** Semester **Credits:** 0.5

Prerequisites - None

Course Description: Emphasizing the application of communication skills in business, professional, and social settings, this course includes oral presentations and concentrates on the communication process, interpersonal communication, and group communication.

Credit Type: State Elective Credit

0562 Student Leadership

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval

Course Description: This course is designed for student leaders. In order to enroll in this course students must be in good academic standing, and have no major discipline referrals. This course is a hands-on, lab oriented approach to leadership that provides opportunities to study, practice, and develop group and individual leadership and organizational skills. Students will learn the structure of leadership,

responsible citizenship, goal setting, group process, evaluation, communication, and organization and managerial skills.

A maximum of one state credit is awarded for this course.

Credit Type: State Elective Credit

0571 Debate I

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval

Course Description: This is a competition course. Students are required to participate on the debate team which includes after school practices and tournaments. The course is research and speaking intensive, and as a paperless course, students MUST have access to a laptop computer. Students are given opportunities to compete in multiple styles of debate and speaking events. The student is responsible for required fees for this course.

Expected cost to student for this course: \$250.

Credit Type: State Elective Credit

0572 Advanced Debate II

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Debate I/Admissions Committee Approval/See Advanced Criteria

Course Description: See course description for Debate I.

This course receives advanced weighting in the GPA.

Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses. Students may not self-elect out of this course during the school year as no equivalent level course is available. Expected cost to student for this course: \$250. This is a competition course and a continuation of skills developed in Debate I.

Credit Type: State Elective Credit

0573 Advanced Debate III

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Debate II/Admissions Committee Approval/See Advanced Criteria

Course Description: See course description for Debate I.

This course receives advanced weighting in the GPA.

Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses. Students may not self-elect out of this course during the school year as no equivalent level course is available. Expected cost to student for this course: \$250.

Credit Type: State Elective Credit

0574 Independent Study In Speech / Debate IV Advanced

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - Debate III/Admissions Committee /See Advanced Criteria

Course Description: This course continues to refine students' skills in debate. As in all advanced classes, content is differentiated, and students are expected to work more independently. There is required participation in tournament competition. The student is responsible for required fees for this course.

This course receives advanced weighting in the GPA.

Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses. Students may not self-elect out of this course during the school year as no equivalent level course is available. Expected cost to student for this course: \$250.

Credit Type: State Elective Credit

0580 Journalism

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: This course provides an introduction to the study of mass print media. It includes studying the history of journalism, the first amendment, and journalistic laws and ethics. Students will study the basic features of journalistic writing with an emphasis on effective writing skills for news, features, editorials and sports. In addition, computer skills must be applied for implementation of assignments.

Credit Type: State Elective Credit

0581 Yearbook I

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval

Course Description: This course involves an accelerated exposure to journalistic practices with an emphasis on writing feature stories and doing layouts for the yearbook. Students will learn and use desktop publishing skills to publish the yearbook and should like to write. Selling advertising and creating ads are required. This also requires outside class time. Yearbook III (0583) can be taken as a 4th English State Credit.

Credit Type: State Elective Credit

0582 Yearbook II

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Yearbook I/Admissions Committee Approval

Course Description: This course requires students to assume leadership roles in planning, designing, producing, and selling advertisements for the school yearbook. The course requires work after school. Students will also continue to develop desktop publishing skills.

Credit Type: State Elective Credit

0583 Yearbook III

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - Yearbook I and II/Admissions Committee Approval

Course Description: See course description for Yearbook II.

Credit Type: State Elective Credit

0584 Independent Study / Yearbook

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - 2 Years of Yearbook/Admissions Committee Approval

Course Description: This course involves editor duties associated with the school yearbook along with individual projects assigned by the teacher.

This course may be taken as a 4th English credit.

Credit Type: State Elective Credit

0591 Newspaper I

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval

Course Description: This course is a comprehensive study of journalism designed to cover all aspects of the subject in preparation for work on the school newspaper. It includes: study of mass media in society, journalism history, understanding of First Amendment and exposure to journalistic ethics. Students will learn principles of interviewing, writing (news, features, sports, editorials and columns), headline writing, editing, layout, advertising and circulation. Class members should like to write publishable stories for the school newspaper. Selling advertising and creating ads are required. This also requires outside class time.

Credit Type: State Elective Credit

0592 Newspaper II

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Newspaper I/Admissions Committee Approval

Course Description: This course involves the production of the school newspaper. Staff will organize, sell and design advertising while also writing, editing, and producing the layout of the school newspaper. This course requires work after school. Students are expected to cover extracurricular activities from time to time for the newspaper.

Credit Type: State Elective Credit

0593 Newspaper III

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - Newspaper I/Admissions Committee Approval

Course Description: See course description for Newspaper II.

Credit Type: State Elective Credit

0594 Independent Study / Newspaper

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - 2 Years of Newspaper/Admissions Committee Approval

Course Description: This course involves editor duties associated with the school newspaper along with individual projects assigned by the teacher.

This course may be taken as a 4th English credit.

Credit Type: State Elective Credit

0611 Photojournalism I

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval

Course Description: This course involves students learning to plan, interpret, and critique visual images. Students will study the laws and ethical considerations that impact photography. They will learn to create, clarify, and produce effective visual images. Students are required to have a digital camera for the class.

Credit Type: State Elective Credit

0612 Photojournalism II

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval

Course Description: See course description for Photojournalism I.

Credit Type: State Elective Credit

0613 Photojournalism III**Grade(s):** 12 **Term:** Year **Credits:** 1**Prerequisites** - Admissions Committee Approval**Course Description:** See course description for Photojournalism I.**Credit Type:** State Elective Credit**0621 Reading I****Grade(s):** 9-12 **Term:** Year **Credits:** 1**Prerequisites** - None**Course Description:** This class offers instruction in word recognition, comprehension strategies, and vocabulary to ensure that students have an opportunity to read and write with competence, confidence, and understanding.**Credit Type:** State Elective Credit**0622 Reading II****Grade(s):** 9-12 **Term:** Year **Credits:** 1**Prerequisites** - Reading I**Course Description:** See course description for Reading I.**Credit Type:** State Elective Credit**0623 Reading III****Grade(s):** 9-12 **Term:** Year **Credits:** 1**Prerequisites** - Reading II**Course Description:** See course description for Reading I.**Credit Type:** State Elective Credit**0624 Reading IV****Grade(s):** 9-12 **Term:** Year **Credits:** 1**Prerequisites** - Reading III**Course Description:** See course description for Reading I.**Credit Type:** State Elective Credit; Reading IV is a local credit only**0630 College Readiness and Study Skills****Grade(s):** 9-12 **Term:** Semester **Credits:** 0.5**Prerequisites** - None**Course Description:** In this course, students acquire techniques for learning from texts, including studying word meanings, identifying and relating key ideas, drawing and supporting inferences, and reviewing study strategies. Students accomplish many of the objectives through wide reading as well as use of content texts in preparation for post-secondary schooling.**Credit Type:** State Elective Credit**0631 ACT Test Prep****Grade(s):** 11-12 **Term:** Semester **Credits:** 0.5**Prerequisites** - None**Course Description:** Students will learn all about the concepts & strategies that will prepare them for the ACT test to maximize scores for college readiness, college acceptance, and scholarship monies. This class will teach content and strategies for each of the five sections. The teacher will review the most important grammar rules to ace the English section. Fifty core math concepts will be covered, as well as math timing

strategies. Students will learn reading comprehension strategies, as well as the five "wrong answer" tricks the ACT test uses. Science studies will focus on chart/graph reading strategies as well as timing strategies. Students are responsible for a materials fee for this course.

Course Fee: \$60.**Credit Type:** Local Elective Credit

MATHEMATICS

1011 Algebra I**Grade(s):** 9-12 **Term:** Year **Credits:** 1**Prerequisites** - None**Course Description:** Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.**Credit Type:** Math State Credit**1012 Advanced Algebra I****Grade(s):** 9 **Term:** Year **Credits:** 1**Prerequisites** - Suggested grade of 92 or higher in 8th grade math / See Advanced Criteria**Course Description:** A course designed for students showing an advanced aptitude and superior math skills. In addition to the strands listed for Algebra I, this advanced course is designed to prepare students for entry into AP mathematics courses. The course goes beyond the on-level Algebra I content with a wider range and greater depth of subject matter. The content assessments require students to synthesize their learning and apply it on a much higher level.**This course receives advanced weighting in the GPA.****Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses.****Credit Type:** Math State Credit**1021 Geometry****Grade(s):** 9-12 **Term:** Year **Credits:** 1**Prerequisites** - Algebra I**Course Description:** Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence, similarity, proof, and trigonometry; two- and three- dimensional figures; circles; and probability.**Credit Type:** Math State Credit

1022 Advanced Geometry**Grade(s):** 9-10 **Term:** Year **Credits:** 1**Prerequisites** - Algebra I / Suggested grade of 85 or higher in 8th grade Algebra I or Advanced Algebra I OR 95 or higher in on-level Algebra I/See Advanced Criteria**Course Description:** A course designed for students showing an advanced aptitude and superior math skills. In addition to the strands listed for Geometry, this advanced course is designed to prepare students for entry into AP mathematics courses. The course goes beyond the on-level Geometry content with a wider range and greater depth of subject matter. The content assessments require students to synthesize their learning and apply it on a much higher level.**This course receives advanced weighting in the GPA.****Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses.****Credit Type:** Math State Credit**1031 Mathematical Models With Applications (MMA)****Grade(s):** 11-12 **Term:** Year **Credits:** 1**Prerequisites** - Algebra I, Geometry**Course Description:** This course provides a path for students to succeed in Algebra II and prepares them for various post-secondary choices. Students learn to apply mathematics through experiences in personal finance, science, engineering, fine arts, and social science. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, to solve problems, and to communicate solutions. Students will select from methods such as algebraic techniques, geometric reasoning, patterns, and mental math to solve problems.**Credit Type:** Math State Credit**1032 Algebraic Reasoning****Grade(s):** 11-12 **Term:** Year **Credits:** 1**Prerequisites** - Algebra I and Geometry**Course Description:** Students continue with development of mathematical reasoning related to algebraic understanding and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets.**Credit Type:** Math State Credit**1041 Algebra II****Grade(s):** 10-12 **Term:** Year **Credits:** 1**Prerequisites** - Algebra I and Geometry (or concurrently enrolled)**Course Description:** Students broaden their knowledge of quadratic functions, exponential functions and systems of equations. They study logarithmic, square root, cubic, cube root, absolute value, rational functions and their related equations. Students connect functions to their inverses and to their associated equations and solutions in both mathematical and real world situations. In addition, students extend their knowledge of data analysis and numeric and algebraic methods.**Credit Type:** Math State Credit**1042 Advanced Algebra II****Grade(s):** 10-11 **Term:** Year **Credits:** 1**Prerequisites** - Algebra I, Geometry or Advanced Geometry/Suggested grade of 85 or higher in 8th grade Algebra I or Advanced Algebra I, or, 95 or higher in on-level Algebra I / See Advanced Criteria**Course Description:** A course designed for students showing an advanced aptitude and superior math skills. In addition to the strands listed for Algebra II, this advanced course is designed to prepare students for entry into AP mathematics courses. The course goes beyond the on-level Algebra II content with a wider range and greater depth of subject matter. The content assessments require students to synthesize their learning and apply it on a much higher level. This course is recommended for students with a grade of 85 or higher in Advanced Geometry, or, 95 or higher in on-level Geometry.**This course receives advanced weighting in the GPA.****Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses.****Credit Type:** Math State Credit**1051 Advanced Quantitative Reasoning (AQR)****Grade(s):** 12 **Term:** Year **Credits:** 1**Prerequisites** - Algebra I, Geometry, Algebra II**Course Description:** Students will develop and apply skills necessary for college, careers, and life. Course content consists primarily of applications of high school mathematics concepts to prepare students to become well-educated and highly informed 21st century citizens. Students will develop and apply reasoning, planning, and communication to make decisions and solve problems in applied situations involving numerical reasoning, probability, statistical analysis, finance, mathematical selection, and modeling with algebra, geometry, trigonometry, and discrete mathematics.**This course does NOT receive advanced weighting in the GPA.****Credit Type:** Math State Credit**1061 Pre-Calculus****Grade(s):** 11-12 **Term:** Year **Credits:** 1**Prerequisites** - Algebra I, Geometry, Algebra II / Suggested grade of 80 or higher in Algebra II**Course Description:** The study of Pre-Calculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems.**Credit Type:** Math State Credit**1062 Advanced Pre-Calculus****Grade(s):** 11-12 **Term:** Year **Credits:** 1

Prerequisites - Algebra II / Suggested grade of 85 or higher in Advanced Algebra II OR 95 or higher in Algebra II / See Advanced Criteria

Course Description: This course offers the preparation for AP Calculus. This course is designed for students showing an advanced aptitude and superior math skills. In addition to the strands listed for Pre-Calculus, this advanced course is designed to prepare students for entry into AP mathematics courses. The course goes beyond the on-level Pre-Calculus content with a wider range and greater depth of subject matter. Emphasis is placed on critical thinking skills that require considerable mathematic insight. The content assessments require students to synthesize their learning and apply it on a much higher level. This course is intended for highly motivated, self-disciplined students. A summer assignment will be posted on MHS website and must be completed prior to the first day of school. Students will be assessed over this information during the first or second weeks of school.

This course receives advanced weighting in the GPA.

Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses.

Credit Type: Math State Credit

1063 AP Calculus AB

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - Pre-Calculus / Suggested grade of 85 or higher in Advanced Pre-Calculus / See AP Criteria

Course Description: This course is designed for advanced math students. Limits, derivatives, and the definite integral are among the topics studied in detail. This course emphasizes the various types and applications of differentiation and integration.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available. See AP criteria.

Credit Type: Math State Credit

1071 AP Statistics

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Algebra II / Suggested grade of 80 or higher in Advanced Algebra II OR 90 or higher in Algebra II / See AP Criteria

Course Description: This course will introduce the students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to the themes of exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Use of a graphing calculator with statistical capabilities is an integral part of this class.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available. See AP criteria.

Credit Type: Math State Credit

1081 Engineering Mathematics

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Algebra II

Course Description: This course meets the graduation requirements by the State of Texas as a 4th math credit. Engineering Mathematics is a course where students solve and model robotic design problems. Students use a variety of mathematical methods and models to

represent and analyze problems involving data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and robotics with computer programming.

Students may not self-elect out of this course during the school year as no equivalent level course is available.

Credit Type: Math State Credit

1100 College Readiness Mathematics (Intermediate Algebra Dual Credit)

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - Algebra II

Course Description: Intermediate Algebra topics for all formats include special products and factoring, rational expressions, radicals, radical equations, quadratic equations, and complex numbers; an introduction to the function concept, and graphing, equations of lines and linear systems. The course fulfills TSI requirements for Math. This course carries institutional credit but will not transfer and will not be used to meet degree requirements- MATH 0310. Intermediate Algebra prepares students for MATH 1314 (College Algebra). Students are required to purchase an access code for this course, which includes the online homework assignments and virtual textbook.

This course does NOT receive advanced weighting in the GPA.

Credit Type: Math State Credit

1101 Dual Credit College Algebra

Grade(s): 11-12 **Term:** Semester **Credits:** 0.5

Prerequisites - Algebra II / Demonstrate college readiness through the Texas Success Initiative Assessment (TSIA) or other approved placement scores / MHS approval is required / See Dual Credit Criteria

Course Description: College Algebra topics include absolute value and quadratic equations and inequalities, graphing skills, inverse functions, logarithmic and exponential functions, polynomial and rational functions, piecewise-defined functions, theory of equations and systems of equations - MATH 1314. Students are required to purchase an access code for this course, which includes the online homework assignments and a virtual textbook.

This course receives AP/DC weighting in the GPA.

Credit Type: Math State Credit

1102 Dual Credit Math for Business and Social Science

Grade(s): 11-12 **Term:** Semester **Credits:** 0.5

Prerequisites - Algebra II / Demonstrate college readiness through the Texas Success Initiative Assessment (TSIA) or other approved placement scores / MHS approval is required / See Dual Credit Criteria

Course Description: Topics include applications of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences are addressed. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value - MATH 1324. Students are required to purchase an access code for each course, which includes the online homework assignments and a virtual textbook.

This course receives AP/DC weighting in the GPA.

Credit Type: Math State Credit**1103 Dual Credit Statistics****Grade(s):** 11-12 **Term:** Semester **Credits:** 0.5**Prerequisites** - Algebra II / Demonstrate college readiness through the Texas Success Initiative Assessment (TSIA) or other approved placement scores / MHS approval is required / See Dual Credit Criteria**Course Description:** Statistics topics include probability, random variable, binomial and normal distribution, random sampling, statistical inference, estimation, testing hypotheses, linear regressions and correlation, and chi-square test - MATH 1342. Students are required to purchase an access code for each course, which includes the online homework assignments and a virtual textbook. A graphing calculator is used as an integral part of this course.**This course receives AP/DC weighting in the GPA.****Credit Type:** Math State Credit**1104 Dual Credit Calculus for Business and Social Science****Grade(s):** 11-12 **Term:** Semester **Credits:** 0.5**Prerequisites** - Dual Credit College Algebra**Course Description:** The basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions, with emphasis on applications in business, economics, and social sciences - MATH 1325.**This course receives AP/DC weighting in the GPA.****Credit Type:** Math State Credit

SCIENCE

1511 Integrated Physics and Chemistry**Grade(s):** 10 **Term:** Year **Credits:** 1**Prerequisites** - None**Course Description:** Introduces the student to the basic concepts of physics and chemistry. Topics include safety, scientific methods, measurement, mechanics, optics, acoustics, electricity magnetism and the basic concepts of general chemistry.**Credit Type:** Science State Credit**1521 Biology****Grade(s):** 9-12 **Term:** Year **Credits:** 1**Prerequisites** - None**Course Description:** Students will expand their knowledge of scientific processes as they apply to the nature of living systems. Extensive discussions and many lab activities relating to biology concepts, terms and theories provide a foundation for understanding the living world.**Credit Type:** Science State Credit**1522 Advanced Biology****Grade(s):** 9-12 **Term:** Year **Credits:** 1**Prerequisites** - See Advanced Criteria**Course Description:** This course is designed to prepare students for Advanced Placement Biology. The class is lab-oriented and designed to provide an introduction to biological topics stressed in the advanced placement course. Students will learn process skills involved in scientific problem solving which will allow them to become self-starters and independent workers in the AP course. Areas stressed will be molecular biology, environmental science, and phylogeny. All laboratory exercises are designed to reinforce concepts and process skills.**This course receives advanced weighting in the GPA.****Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses.****Credit Type:** Science State Credit**1523 AP Biology****Grade(s):** 11-12 **Term:** Year **Credits:** 1**Prerequisites** - Biology/Chemistry/Admissions Committee Approval/See AP Criteria**Course Description:** This course is the equivalent of college freshman biology and the rigor is comparable to a class for biology majors. Students will be expected to perform at the college level. Areas addressed are prescribed in the College Board publication, Advanced Placement course description: Biology. Laboratory exercises are designed to encourage independent study as well as reinforce concepts and process skills. Due to extensive labs, this course content is spread across multiple class periods.**This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available. See AP criteria.****Credit Type:** Science State Credit**1531 Chemistry****Grade(s):** 10-12 **Term:** Year **Credits:** 1**Prerequisites** - Biology with a grade of 80 or higher**Course Description:** This course is designed to give a basic knowledge of atomic structure as it relates to the chemical behavior of elements. Laboratory activities are utilized in helping students understand chemistry.**Credit Type:** Science State Credit**1532 Advanced Chemistry****Grade(s):** 10-12 **Term:** Year **Credits:** 1**Prerequisites** - Biology / See Advanced Criteria**Course Description:** Students will study the structured properties of matter with a strong emphasis on the mathematics of chemistry.**This course receives advanced weighting in the GPA.****Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses.****Credit Type:** Science State Credit**1533 AP Chemistry****Grade(s):** 11-12 **Term:** Year **Credits:** 1**Prerequisites** - Chemistry/Algebra II/See AP Criteria/Admissions Committee Approval**Course Description:** Students will study the structured properties of matter with a strong emphasis on the mathematics of chemistry. Due to

extensive lab work, this course content is spread across multiple class periods.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available. See AP criteria.

Credit Type: Science State Credit

1541 Physics

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Algebra II or Concurrent Enrollment/Biology

Course Description: Physics explores the interrelationship between matter and energy. This course requires a strong mathematics background because mathematics is the language used to describe abstract ideas. Topics will include motion, force, vector analysis, thermodynamics, work, and waves. Process skill acquisition and problem solving will be stressed.

Credit Type: Science State Credit

1542 AP Physics I

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Advanced Algebra II or Concurrent Enrollment/Admissions Committee Approval/See Advanced Criteria

Course Description: Strong mathematical principles are a requirement for this course. Topics to be discussed would be electricity, light, sound, magnetism and mechanics. Laboratory experiences are analytically based and relate directly to current classroom topics.

This course receives AP/DC weighting in the GPA. See AP criteria.

Credit Type: Science State Credit

1543 AP Physics II

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Physics or AP Physics I/Pre-Calculus/Admissions Committee Approval/See AP Criteria

Course Description: A college level physics course covering mechanics, heat, electricity, and magnetism, waves, light and sound. This course is an excellent opportunity for students considering a career in science or engineering fields. Problem solving will be rigorous. A variety of hands-on laboratory investigations and inquiry activities will be included.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available. See AP criteria.

Credit Type: Science State Credit

1551 Anatomy and Physiology

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Biology/Chemistry or Concurrent Enrollment

Course Description: Extends understanding of the structure and function of the human body. Students will explore physiological systems and associated pathologies. Higher order thinking is stressed through assessment and synthesis of the anatomical knowledge combined with exposure to clinical analysis. Principles of physiology will be applied to human health and well-being.

Credit Type: Science State Credit or State Elective Credit

1561 Environmental Systems

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Biology/IPC or Chemistry

Course Description: Students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include ecosystems, biomes, and sources and flow of energy through an environmental system. Students will examine the impact of human activity on the environment, use and conservation of resources, and pollution. Careers in environmental science will also be explored.

Credit Type: Science State Credit

1562 AP Environmental Science

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Biology/Chemistry or Concurrent Enrollment In Chemistry/See AP Criteria/APES Teacher Approval

Course Description: This laboratory and field-based course is designed to provide students with scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving them. Laboratory and field investigations are diverse and interwoven into the curriculum. Student is responsible for cost of class lab fees.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available. See AP criteria. Expected cost to student for this course: \$45.

Credit Type: Science State Credit

1571 Aquatic Science

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Biology/IPC or Chemistry

Course Description: Students study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Investigations and field work in this course may emphasize freshwater or marine aspects of aquatic science depending primarily upon the natural resources available for study near the school. Students will acquire knowledge about a variety of aquatic systems, conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical-thinking and problem-solving skills.

Expected cost to student for this course: \$25.

Credit Type: Science State Credit

1581 Astronomy

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Biology/IPC or Chemistry

Course Description: Students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space

exploration. Students will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical-thinking skills. Field trip opportunities will be available outside the typical school day.

Credit Type: Science State Credit

SOCIAL STUDIES

2011 World Geography Studies

Grade(s): 9 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: Students will examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography.

Credit Type: Social Studies State Credit

2012 Advanced World Geography Studies

Grade(s): 9 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval/See Advanced Criteria

Course Description: Meticulous analysis based on geographic skills will extend to contemporary areas of concern such as: regional conflicts, global pollution and energy resources. Students will participate in independent research, outside reading, oral and multimedia presentations, simulations, and intense essay writing.

This course receives advanced weighting in the GPA.

Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses.

Credit Type: Social Studies State Credit

2013 AP Human Geography

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - On-level Social Studies course GPA > 91 or Advanced Social Studies course > 71 recommended

Course Description: The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. This course fulfills the graduation requirements for World Geography.

This course receives AP/DC weighting in the GPA. See AP criteria.

Credit Type: Social Studies State Credit

2021 World History

Grade(s): 10 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: World History Studies is the only course offering students an overview of the entire history of humankind. The major emphasis is on the study of significant people, events and issues from earliest times to the present.

Credit Type: Social Studies State Credit

2022 Advanced World History

Grade(s): 10 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval/See Advanced Criteria

Course Description: The scope of this course focuses on "essential" concepts and skills that can be applied to various eras, events, and people. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization and civilizations in other parts of the world.

This course receives advanced weighting in the GPA.

Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses.

Credit Type: Social Studies State Credit

2023 AP World History

Grade(s): 10 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval/See AP Criteria

Course Description: Students will explore interaction between the environment, culture(s), state-building, economic systems, and social structures, from approximately 8000 B.C.E. to the present, with intense essay writing and outside readings.

This course receives AP/DC weighting in the GPA. See AP criteria.

Credit Type: Social Studies State Credit

2024 AP European History

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval/See AP Criteria

Course Description: The AP European History course focuses on the socio-cultural, political, religious, intellectual, artistic, technological and economic developments in Europe from 1450-the present. This is a College level course that requires extensive reading and research. The course is designed to enhance your ability to analyze historical evidence, evaluate and synthesize historical sources into effectively written essays.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available. See AP criteria.

Credit Type: Social Studies State Credit

2031 U.S. History (Since Reconstruction)

Grade(s): 11 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: Students study the history of the United States since Reconstruction to the present. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies of the Cold War, and post-Cold War eras, and reform movements including civil rights.

Credit Type: Social Studies State Credit

2032 AP U.S. History

Grade(s): 11 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval/See AP Criteria

Course Description: Students learn about the developments that have shaped U.S. history through the critical analysis of historical events and

materials. Intense essay writing and outside reading is a substantial part of the course.

This course receives AP/DC weighting in the GPA. See AP criteria.

Credit Type: Social Studies State Credit

2033 Dual Credit U.S. History

Grade(s): 11 **Term:** Year **Credits:** 1

Prerequisites - Passing Entrance Tests Scores As Determined By Lone Star College/See Dual Credit Criteria

Course Description: A survey of U.S. history from pre-contact societies through Reconstruction. Themes to be developed include westward expansion and globalization, slavery, Native Americans, and religious and social changes. An additional purpose of this course is to introduce students to the skills and practices of history - HIST 1301. A survey of U.S. history from 1877 to the present. Topics will include western expansion, industrialization, immigration, imperialism, economic, political and social developments, the wars of the 20th century and the changing status and conditions of women and minorities - HIST 1302. Students must pass both, HIST 1301 & HIST 1302 to be awarded U.S. History credit.

This course receives AP/DC weighting in the GPA.

Credit Type: Social Studies State Credit

2041 U.S. Government

Grade(s): 12 **Term:** Semester **Credits:** 0.5

Prerequisites - None

Course Description: This one-semester course is designed to prepare students for decision-making within the framework of the American political system. The course begins with an overview of basic concepts found in all political systems, the philosophical background that led to our constitutional development, and the basic concepts found in the Constitution. The three branches of the federal government, including current issues of interest nationally, will be studied. In addition, students survey the fields of civil rights and liberties, political parties and suffrage, and a study of the Texas Constitution, state and local government.

Credit Type: Social Studies State Credit

2042 AP U.S. Government

Grade(s): 12 **Term:** Semester **Credits:** 0.5

Prerequisites - See AP Criteria/Admissions Committee Approval

Course Description: Students will study constitutional underpinnings, civil liberties and civil rights, political culture and socialization, citizen participation and influence, political institutions and policy making that are the foundation of modern U.S. government and politics. Intense essay writing and outside reading is a substantial part of the course. This course does fulfill the state requirement for a government credit.

This course receives AP/DC weighting in the GPA. See AP criteria.

Credit Type: Social Studies State Credit

2044 Dual Credit Government

Grade(s): 12 **Term:** Semester **Credits:** 0.5

Prerequisites - Passing Entrance Tests Scores As Determined By Lone Star College/See Dual Credit Criteria

Course Description: Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative,

executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights - GOVT 2305. Typically offered as an online course through Lone Star College.

This course receives AP/DC weighting in the GPA.

Credit Type: Social Studies State Credit

2045 Dual Credit Texas Government

Grade(s): 12 **Term:** Semester **Credits:** 0.5

Prerequisites - Passing Entrance Tests Scores As Determined By Lone Star College/See Dual Credit Criteria

Course Description: 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. Typically offered as an online course through Lone Star College.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available.

Credit Type: Social Studies State Credit

2051 Economics

Grade(s): 12 **Term:** Semester **Credits:** 0.5

Prerequisites - None

Course Description: Study of our economic system that is characterized by private or corporate ownership of capital goods, by investments that are determined by private decisions rather than by state control, and by prices, production, and the distribution of goods that are determined in a free market.

Credit Type: Social Studies State Credit

2053 AP Macroeconomics

Grade(s): 12 **Term:** Semester **Credits:** 0.5

Prerequisites - Admissions Committee Approval/See AP Criteria

Course Description: This AP course is designed to provide a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price determination, while also developing a familiarity with economic performance measures, economic growth, and international economics. This course fulfills the state requirement for economics credit.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available. See AP criteria.

Credit Type: Social Studies State Credit

2054 Dual Credit Macroeconomics

Grade(s): 12 **Term:** Semester **Credits:** 0.5

Prerequisites - Passing Entrance Tests Scores As Determined By Lone Star College/See Dual Credit Criteria

Course Description: A study of macroeconomic principles. Analysis of the market economy; national income accounting; income determination; stabilization policies: monetary and fiscal policy; money and banking; demand and supply-side economics; monetarist vs. Keynesian view; inflation theories such as distinction between demand-pull and cost-push

theories, Phillips curve analysis; labor market and determination of unemployment rate – ECON 2301. Typically offered as an online course through Lone Star College.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available.

Credit Type: Social Studies State Credit

2055 Dual Credit Microeconomics

Grade(s): 12 **Term:** Semester **Credits:** 0.5

Prerequisites - Passing Entrance Tests Scores As Determined By Lone Star College/See Dual Credit Criteria

Course Description: A study of microeconomic principles. Analysis of theories of consumer behavior, production, cost; equilibrium analysis in product markets under different market structures, such as perfect competition, monopoly, monopolistic competition, oligopoly; cartels and conglomerate mergers; antitrust policy, economics of regulation; analysis of different types of factor markets and factor price determination – ECON 2302. Typically offered as an online course through Lone Star College.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available.

Credit Type: Social Studies State Credit

2061 Psychology

Grade(s): 10-12 **Term:** Semester **Credits:** 0.5

Prerequisites - None

Course Description: Emphasis is placed on the systematic and scientific study of the behavior and mental processes of human beings and other animals. Focus is placed on psychological facts, principles, and phenomena associated with each of the major subfields within psychology.

Credit Type: State Elective Credit

2062 AP Psychology

Grade(s): 10-12 **Term:** Semester **Credits:** 0.5

Prerequisites - Psychology/Admissions Committee Approval/See AP Criteria

Course Description: An enriched and challenging focus on the systematic and scientific study of the behavior and mental processes of human beings and other animals, including an emphasis on psychological facts, principles, and phenomena associated with each of the major subfields within psychology.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available. See AP criteria.

Credit Type: State Elective Credit

2063 Dual Credit Psychology

Grade(s): 11-12 **Term:** Semester **Credits:** 0.5

Prerequisites - Passing Entrance Tests Scores As Determined By Lone Star College/See Dual Credit Criteria

Course Description: This course is a survey of the essential subject areas, major theories and approaches to the scientific study of behavior

and mental processes – PSYC 2301. Typically offered as an online course through Lone Star College.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available.

Credit Type: State Elective Credit

2071 Sociology

Grade(s): 10-12 **Term:** Semester **Credits:** 0.5

Prerequisites - None

Course Description: Emphasizes patterned human behavior in major social institutions and processes. Focus is placed on an understanding of the social environment and of the dynamic interaction between the individual and society.

Credit Type: State Elective Credit

2072 Dual Credit Sociology

Grade(s): 11-12 **Term:** Semester **Credits:** 0.5

Prerequisites - Passing Entrance Tests Scores As Determined By Lone Star College/See Dual Credit Criteria

Course Description: This course is an introduction to the basic elements of society. In looking at human behavior, this course includes an introduction to dynamics of society, culture, social groups, social institutions, socialization, social processes and social structure - SOCI 1301. Typically offered as an online course through Lone Star College.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available.

Credit Type: State Elective Credit

2081 ACADEC I

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - Strong Research, Writing and Speaking Skills/Parental and Admissions Committee Approval

Course Description: This independent study/social studies course is designed to prepare students for academic test competitions including Academic Decathlon as well as other events. Students will conduct research topics generated by annual themes in Economics, Fine Arts, Language/Literature, Math, Science, Social Studies, Speech, Interview, and Essay Writing. Although all students will study the areas required for the Academic Decathlon competition, they will be given the opportunity to specialize in U.I.L. interests.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available.

Credit Type: State Elective Credit

2082 ACADEC II

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - Strong Research, Writing and Speaking Skills/Parental and Admissions Committee Approval

Course Description: See course description for ACADEC I.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available.

Credit Type: State Elective Credit

2083 ACADEC III**Grade(s):** 9-12 **Term:** Year **Credits:** 1**Prerequisites** - Strong Research, Writing and Speaking Skills/Parental and Admissions Committee Approval**Course Description:** See course description for ACADEC I.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available.

Credit Type: State Elective Credit

2084 ACADEC IV**Grade(s):** 9-12 **Term:** Year **Credits:** 1**Prerequisites** - Strong Research, Writing and Speaking Skills/Parental and Admissions Committee Approval**Course Description:** See course description for ACADEC I.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available.

Credit Type: State Elective Credit

ATHLETICS PROGRAM

Athletic programs are available in baseball, basketball, cross country, football, golf, soccer, softball, tennis, track, volleyball and swim/diving. These programs are competitive sports regulated by the University Interscholastic League. Team selection may be team tryouts and coaching staff approval. Academic record and demeanor will be considered. The class meeting consists of conditioning activities and skill development. In addition, participation in after-school practices and games are required. These programs may substitute for the 1.0 state credit required for physical education. A maximum of four (4) P.E. credits may be counted toward state graduation requirements.

| MHS ATHLETICS PROGRAMS | | Grade | | | |
|------------------------|------|-------|------|------|--|
| Sport | 9 | 10 | 11 | 12 | |
| Football | 3011 | 3012 | 3013 | 3014 | |
| Volleyball | 3201 | 3202 | 3203 | 3204 | |
| Basketball (Boys) | 3021 | 3022 | 3023 | 3024 | |
| Basketball (Girls) | 3211 | 3212 | 3213 | 3214 | |
| Soccer (Boys) | 3031 | 3032 | 3033 | 3034 | |
| Soccer (Girls) | 3221 | 3222 | 3223 | 3224 | |
| Baseball | 3041 | 3042 | 3043 | 3044 | |
| Softball | 3231 | 3232 | 3233 | 3234 | |
| Track (Boys) | - | - | - | 3054 | |
| Track (Girls) | 3241 | 3242 | 3243 | 3244 | |
| X-Country | 3061 | 3062 | 3063 | 3064 | |
| Swim | 3071 | 3072 | 3073 | 3074 | |
| Tennis | 3081 | 3082 | 3083 | 3084 | |
| Golf | 3091 | 3092 | 3093 | 3094 | |

PHYSICAL EDUCATION

In addition to the courses listed in this section, Marching Band, Dance Team and JROTC I may substitute for state PE credits. Such substitutions shall be based upon the physical activity involved in marching band during the fall semester, athletics, dance team, and JROTC. Students planning to pursue athletics and/or athletic scholarships at the college level must be aware of core curriculum requirements. These students need to contact their coach for printed information regarding the core curriculum as defined by National Collegiate Athletic Association (NCAA).

| Course Name and Number | Prerequisite | Credit | Grade Level | Term | PEIMS |
|---------------------------------------|--------------|--------|-------------|----------|----------|
| 9TH GRADE PHYSICAL EDUCATION 1 - 3000 | None | 0.5 | 9 | Semester | PES00052 |
| 9TH GRADE PHYSICAL EDUCATION 2 - 3001 | None | 0.5 | 9 | Semester | PES00000 |

Students in these classes will be introduced to a variety of individual and team sports that can be pursued for a lifetime. Students will be encouraged to develop a health-related fitness program and an appreciation for teamwork and fair play. The activities will reinforce incorporating physical activity into a lifestyle beyond high school. Each course is a half-credit.

Physical Education State Credit

| Course Name and Number | Prerequisite | Credit | Grade Level | Term | PEIMS |
|--|--------------|--------|-------------|----------|----------|
| 10TH GRADE PHYSICAL EDUCATION 1 - 3002 | None | 0.5 | 10 | Semester | PES00001 |
| 10TH GRADE PHYSICAL EDUCATION 2 - 3003 | None | 0.5 | 10 | Semester | PES00001 |
| 11TH GRADE PHYSICAL EDUCATION 1 - 3004 | None | 0.5 | 11 | Semester | PES00002 |
| 11TH GRADE PHYSICAL EDUCATION 2 - 3005 | None | 0.5 | 11 | Semester | PES00002 |
| 12TH GRADE PHYSICAL EDUCATION 1 - 3006 | None | 0.5 | 12 | Semester | PES00003 |
| 12TH GRADE PHYSICAL EDUCATION 2 - 3007 | None | 0.5 | 12 | Semester | PES00003 |

Students in these classes will continue to participate in individual and team sports. Sportsmanship and teamwork will be stressed. Maintaining good personal fitness throughout one's lifetime will be the focus of the courses. Each course is a half- credit.

Physical Education State Credit

3300 Aerobic Movement

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: Students are introduced to the fundamentals and techniques of all disciplines of dance. Creative expression and interpretation through movement are explored. Students will be required to furnish apparel (leotard & black Capri pants).

Expected cost to student for this course: \$55.

Credit Type: Physical Education State Credit

3401 Cheerleading I

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - Tryout/Current Varsity or Junior Varsity Cheerleader

Course Description: Cheerleading provides opportunities for the cheerleaders to prepare for a plethora of fall activities. The MHS cheerleaders' responsibilities during the fall season include planning for pep rallies, choreographing routines, preparing for competition, maintaining good physical condition, and safely improving such skills as tumbling, stunting, and jumping.

Students may not self-elect out of this course during the school year as no equivalent level course is available.

Credit Type: Physical Education State Credit

3402 Cheerleading II

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - Tryout/Current Varsity or Junior Varsity Cheerleader

Course Description: See course description for Cheerleading I.

Students may not self-elect out of this course during the school year as no equivalent level course is available.

Credit Type: Physical Education State Credit

3403 Cheerleading III

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - Tryout/Current Varsity or Junior Varsity Cheerleader

Course Description: See course description for Cheerleading I.

Students may not self-elect out of this course during the school year as no equivalent level course is available.

Credit Type: Physical Education State Credit

3404 Cheerleading IV

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - Tryout/Current Varsity or Junior Varsity Cheerleader

Course Description: See course description for Cheerleading I.

Students may not self-elect out of this course during the school year as no equivalent level course is available.

Credit Type: Physical Education State Credit

3501 Athletic Training I

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - Completed application and Athletic Trainer's Approval

Course Description: This course/ program is designed to acquaint the student with the many different aspects of sports medicine and athletic training. The focus of the program is for the student to become proficient in first aid, recognition, treatment, and rehabilitation of sports related injuries. The student will develop self-esteem, time management skills, responsibility, work ethics, and enhanced personal growth. Students will perform designated duties in the training room and at practices and games. The time required for after school duties can vary from 10-25 hours per week. Students must go through an interview process followed by the Athletic Trainer and parental approval.

Credit Type: Physical Education State Credit

3502 Athletic Training II

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Completed application and Athletic Trainer's Approval

Course Description: See course description for Athletic Training I.

Credit Type: Physical Education State Credit

3503 Athletic Training III

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Completed application and Athletic Trainer's Approval

Course Description: See course description for Athletic Training I.

Credit Type: Physical Education State Credit

3504 Athletic Training IV

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - Completed application and Athletic Trainer's Approval

Course Description: See course description for Athletic Training I.

Credit Type: Physical Education State Credit

LANGUAGES OTHER THAN ENGLISH (LOTE)

4011 Spanish I

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: This introductory course teaches basic language patterns and vocabulary. Repetition and comprehensible input are important components of this course. Focus is on all four language skills listening, speaking, reading and writing. Culture is an integral part of the course and is introduced through the use of media, games, adapted readings and class discussions. In addition to written tests and quizzes, students will also be assessed by means of aural activities. Completion of homework assignments is a must. Active participation is required.

Credit Type: Foreign Language State Credit

4021 Spanish II

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - Spanish I

Course Description: Students continue to develop and improve listening, speaking, reading and writing skills. Emphasis is placed on comprehension of Spanish, as well as, reading and writing practice. Aspects of contemporary Spanish culture are introduced through the use of media, games, and adapted readings and in small or large group discussions. In addition to written/oral tests and quizzes, students are assessed using a variety of formats: oral dialogues, presentations, written compositions and other means. Completion of homework assignments, continuous effort to use the target language, active participation is a must to succeed in this course.

Credit Type: Foreign Language State Credit

4022 Advanced Spanish II

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - Spanish I with grade of 90 or better recommended, Admissions Committee Approval/See Advanced Criteria

Course Description: In addition to the Spanish II curriculum, this course provides more in-depth studies of grammar. Students planning to continue on to Advanced Spanish III or Dual Credit Spanish should take this class.

This course receives advanced weighting in the GPA. Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses.

Credit Type: Foreign Language State Credit

4031 Spanish III

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Spanish I and II

Course Description: This course is designed to enrich and reinforce all levels of communication; building upon knowledge gained in Spanish 1 &

2. The course is a continuation and recycling of knowledge acquired in Spanish 1 and Spanish 2, as well as an introduction to new vocabulary, structures and expressions. Students will be expected to expand their vocabulary range to include more sophisticated terms, use advanced language expressions, verb tenses and grammatical concepts such as the pluperfect and the subjunctive mood. Students will view Spanish language films and read selected Spanish literature.

Credit Type: Foreign Language State Credit

4032 Advanced Spanish III

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Spanish II with grade of 90 or better recommended/Admissions Committee Approval/See Advanced Criteria

Course Description: This course is a continuation of Advanced Spanish II. This course will continue studies to prepare the students for the College-Level Examination Program and for the College Board Advanced Placement Exam, which is to be taken after Spanish IV. Students are also taught to develop higher level thinking skills such as synthesis and analysis. Oral presentations and readings are emphasized.

This course receives advanced weighting in the GPA.

Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses.

Credit Type: Foreign Language State Credit

4033 Dual Credit Beginning Spanish I / Dual Credit Beginning Spanish II

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Spanish II with grade of 90 or better recommended/Admissions Committee Approval, Passing Entrance Tests Scores As Determined By Lone Star College/See Dual Credit Criteria

Course Description: This course includes beginner's pronunciation, oral practice, conversation, development of listening comprehension, basic principles of grammar, simple exercises in composition, easy reading which includes cultural material - SPAN 1411. This course is a continuation of SPAN 1411 with increased emphasis on comprehension, speaking, reading and writing. Intensive drills to increase vocabulary and knowledge of structure - SPAN 1412.

This course receives AP/DC weighting in the GPA.

Credit Type: Foreign Language State Credit

4041 Spanish IV

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Spanish III

Course Description: Spanish IV provides students the opportunity to further develop, improve and refine their listening, speaking, reading and writing skills. Emphasis continues to be placed on aural skills with additional emphasis on reading and writing in the target language. Supplementary materials are utilized to enhance language use. Aspects of contemporary Hispanic culture are emphasized through cultural readings, media, games, and class discussions. Assessment of student performance is identified through written tests and quizzes. In addition, students will also be assessed by means of oral tests, spoken dialogues, presentations, short compositions and other displays.

Credit Type: Foreign Language State Credit

4042 AP Spanish Language

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Spanish III with grade of 90 or better recommended/Admissions Committee Approval/See Advanced Criteria

Course Description: This course will continue the skills necessary to prepare the students for the College Board Advanced Placement Exam. Besides practicing advanced grammar constructions, students will be introduced to readings in Hispanic literature as a source for new vocabulary, subjects for conversation and topics for essay writing.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available. See AP criteria.

Credit Type: Foreign Language State Credit

4043 Dual Credit Intermediate Spanish I / Dual Credit Intermediate Spanish II

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Spanish III, Passing Entrance Tests Scores As Determined By Lone Star College/See Dual Credit Criteria

Course Description: This course stresses both oral and written exercises to increase vocabulary, expansion of grammatical principles and short themes written on a variety of topics. Selected readings are included to improve comprehension in Spanish - SPAN 2311. This course is a continuation of SPAN 2311, with emphasis on works by Spanish-speaking authors. Continued reinforcement of grammatical principles and development of writing skills are stressed - SPAN 2312.

This course receives AP/DC weighting in the GPA.

Credit Type: Foreign Language State Credit

4051 American Sign Language I

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: ASL I is an introduction to American Sign Language and the Deaf community. Students will learn basic vocabulary, grammar, sentence structure, and cultural foundations of ASL. Students will begin to learn to express themselves through signing by using: concrete ideas, fingerspelling and grammar. Using ageappropriate activities, students develop the ability to perform the tasks of the novice language learner. The novice language learner, when dealing with familiar topics, should: a. Understand short signed phrases when attending and respond expressively with learned material; b. Produce learned signs, phrases, and sentences; c. Detect main ideas in familiar material that is signed; d. Be able to transcribe American Sign Language (ASL) into English gloss; e. Recognize the importance of communication and how it relates to the American Deaf culture; and f. Recognize the importance of acquiring accuracy of expression by knowing the components of ASL, including grammar.

Credit Type: Foreign Language State Credit

4052 American Sign Language II

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: ASL II is a continuation of American Sign Language and the Deaf community.

Credit Type: Foreign Language State Credit

FINE ARTS

4201 Band I

Grade(s): 9-12 Term: Year Credits: 1

Prerequisites - Admissions Committee Approval

Course Description: Three bands are offered for students interested in instrumental music: Marching Band, Symphonic Band, and Concert Band. During football season (Fall) the various concert bands meet three times a week after school to make up the marching band, which performs at all varsity football games, UIL marching contests and non-UIL marching contests, and local parades. Band members are also required to attend Summer Band. During concert season (Spring), section rehearsals are scheduled after school one day a week to prepare for concerts and contests.

Credit Type: Physical Education State Credit (Band I) Fine Arts State Credit (Band II)

4202 Band II

Grade(s): 10-12 Term: Year Credits: 1

Prerequisites - Admissions Committee Approval

Course Description: See course description for Band I.

Credit Type: Physical Education State Credit (Band I) Fine Arts State Credit (Band II)

4203 Band III

Grade(s): 11-12 Term: Year Credits: 1

Prerequisites - Admissions Committee Approval

Course Description: See course description for Band I.

Credit Type: Fine Arts State Credit

4204 Band IV

Grade(s): 12 Term: Year Credits: 1

Prerequisites - Admissions Committee Approval

Course Description: See course description for Band I.

Credit Type: Fine Arts State Credit

4211 Band Techniques I

Grade(s): 9-12 Term: Year Credits: 1

Prerequisites - Admissions Committee Approval

Course Description: This course is offered for 4 levels of performance from beginner to advanced skills. The class is structured to meet the needs of each student on an individual basis. Woodwind, Brass and Percussion students must furnish their own instruments and approved materials.

Credit Type: Fine Arts State Credit

4212 Band Techniques II

Grade(s): 10-12 Term: Year Credits: 1

Prerequisites - Admissions Committee Approval

Course Description: See course description for Band Techniques I.

Credit Type: Fine Arts State Credit

4213 Band Techniques III

Grade(s): 11-12 Term: Year Credits: 1

Prerequisites - Admissions Committee Approval

Course Description: See course description for Band Techniques I.

Credit Type: Fine Arts State Credit

4214 Band Techniques IV

Grade(s): 12 Term: Year Credits: 1

Prerequisites - Admissions Committee Approval

Course Description: See course description for Band Techniques I.

Credit Type: Fine Arts State Credit

4221 Jazz Band I

Grade(s): 9-12 Term: Year Credits: 1

Prerequisites - Admissions Committee Approval

Course Description: The high school jazz band is made up of instruments which include woodwinds (saxophone is the primary instrument), trombones, trumpets, and rhythm (piano, electric/string bass, guitar, drum set, and vibraphone). Study and performance of jazz music, improvisation, sight-reading, and jazz style and performance techniques make up the class offered within the school day. Music theory, jazz history and applied music will be integrated into a performance-based curriculum. After school hours are required.

Credit Type: Fine Arts State Credit

4222 Jazz Band II

Grade(s): 10-12 Term: Year Credits: 1

Prerequisites - Admissions Committee Approval

Course Description: See course description for Jazz Band I.

Credit Type: Fine Arts State Credit

4223 Jazz Band III

Grade(s): 11-12 Term: Year Credits: 1

Prerequisites - Admissions Committee Approval

Course Description: See course description for Jazz Band I.

Credit Type: Fine Arts State Credit

4224 Jazz Band IV

Grade(s): 12 Term: Year Credits: 1

Prerequisites - Admissions Committee Approval

Course Description: See course description for Jazz Band I.

Credit Type: Fine Arts State Credit

4231 Beginner Band I

Grade(s): 9-10 Term: Year Credits: 1

Prerequisites - Admissions Committee Approval

Course Description: This course is designed to introduce students to beginning instruction for Woodwind and Brass Instruments. Students will learn to perform a repertoire of instrumental literature representing

various genres, styles, and cultures with expression, technical accuracy, tone quality, and articulation, by oneself and in ensembles. The course also includes music fundamentals, theory, songs, performance, listening, composing, improvising, analyzing, and learning to read standard music notation. Instrument rental may be required.

Credit Type: Fine Arts State Credit ONLY

4232 Beginner Band II

Grade(s): 9-10 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval

Course Description: See Course Description for Beginner Band I.

Credit Type: Fine Arts State Credit

4300 Bel Canto Women's Choir

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - No audition necessary

Course Description: This intermediate Women's Choir is open to 9th-12th grade females who enjoy performing and want to learn how to sing a variety of music. Bel Canto will perform at all concerts and compete at UIL.

Credit Type: Fine Arts State Credit

4301 A Capella Select Women I

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only. This choir may only be taken in conjunction with Bel Canto, Concert Women, or Chorale Women.

Course Description: This advanced Women's Choir is open to mature females who have a strong desire to work at an extremely high level. A Cappella Women will perform at most concerts and have additional community performances. Auditions are in the spring.

Credit Type: Fine Arts State Credit

4302 A Cappella Select Women II

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only. This choir may only be taken in conjunction with Bel Canto, Concert Women, or Chorale Women.

Course Description: See course description for A Capella Select Women I

Credit Type: Fine Arts State Credit

4303 A Cappella Select Women III

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only. This choir may only be taken in conjunction with Bel Canto, Concert Women, or Chorale Women.

Course Description: See course description for A Capella Select Women I

Credit Type: Fine Arts State Credit

4304 A Cappella Select Women IV

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only. This choir may only be taken in conjunction with Bel Canto, Concert Women, or Chorale Women.

Course Description: See course description for A Capella Select Women I

Credit Type: Fine Arts State Credit

4311 Concert Men I

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - No audition necessary

Course Description: This intermediate men's choir is open to males who enjoy performing and want to learn how to sing a variety of music. Concert Men will perform at all concerts and combine with Concert Women's Choir to form a UIL Mixed Choir.

Credit Type: Fine Arts State Credit

4312 Concert Men II

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - No audition necessary

Course Description: See course description for Concert Men I

Credit Type: Fine Arts State Credit

4313 Concert Men III

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - No audition necessary

Course Description: See course description for Concert Men I

Credit Type: Fine Arts State Credit

4314 Concert Men IV

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - No audition necessary

Course Description: See course description for Concert Men I

Credit Type: Fine Arts State Credit

4321 Concert Women I

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only

Course Description: This Advanced Women's Choir is open to 9th-12th grade females who enjoy performing and want to learn how to sing a variety of music. Concert Women will perform at all concerts and combine with Concert Men's Choir to form a UIL Mixed Choir.

Credit Type: Fine Arts State Credit

4322 Concert Women II

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only

Course Description: See course description for Concert Women I

Credit Type: Fine Arts State Credit

4323 Concert Women III

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only

Course Description: See course description for Concert Women I

Credit Type: Fine Arts State Credit

4324 Concert Women IV

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only

Course Description: See course description for Concert Women I

Credit Type: Fine Arts State Credit

4331 Varsity Chorale Men I

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only

Course Description: Varsity Chorale Men is for the advanced male musician. Excellent technique, sight-reading ability, citizenship and discipline are required. Chorale performs at all concerts, in the community and competes at UIL. Auditions are in the spring.

Credit Type: Fine Arts State Credit

4332 Varsity Chorale Men II

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only

Course Description: See course description for Varsity Chorale Men I

Credit Type: Fine Arts State Credit

4333 Varsity Chorale Men III

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only

Course Description: See course description for Varsity Chorale Men I

Credit Type: Fine Arts State Credit

4334 Varsity Chorale Men IV

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only

Course Description: See course description for Varsity Chorale Men I

Credit Type: Fine Arts State Credit

4341 Varsity Chorale Women I

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only

Course Description: Varsity Chorale Women is for the advanced female musician. Excellent technique, sight-reading ability, citizenship and discipline are required. Chorale performs at all concerts, in the community and competes at UIL. Auditions are in the spring.

Credit Type: Fine Arts State Credit

4342 Varsity Chorale Women II

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only

Course Description: See course description for Varsity Chorale Women I

Credit Type: Fine Arts State Credit

4343 Varsity Chorale Women III

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only

Course Description: See course description for Varsity Chorale Women I

Credit Type: Fine Arts State Credit

4344 Varsity Chorale Women IV

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only

Course Description: See course description for Varsity Chorale Women I

Credit Type: Fine Arts State Credit

4351 Jazz Show Choir I

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only. This choir may only be taken in conjunction with another curricular choir.

Course Description: This Select show choir is open to men and women who would like to explore the performance practices of popular music and musicals. Students will sing, dance, and act in this class. In addition, this course can count towards the required PE Credit.

Credit Type: PE State Credit or Fine Arts State Credit

4352 Jazz Show Choir II

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only. This choir may only be taken in conjunction with another curricular choir.

Course Description: See course description for Jazz Show Choir I

Credit Type: PE State Credit or Fine Arts State Credit

4361 Madrigals/Chamber Ensemble I

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only. This choir may only be taken in conjunction with Varsity Chorale Women or Varsity Chorale Men.

Course Description: This choir is for the serious and advanced male and female musician. Madrigals/Chamber Choir is a select group of students chosen from the Varsity Chorale. Madrigals/Chamber Choir perform at all concerts, and has additional performances and competitions.

Credit Type: Fine Arts State Credit

4362 Madrigals/Chamber Ensemble II

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only. This choir may only be taken in conjunction with Varsity Chorale Women or Varsity Chorale Men.

Course Description: See course description for Madrigals/Chamber Ensemble I

Credit Type: Fine Arts State Credit

4363 Madrigals/Chamber Ensemble III

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only. This choir may only be taken in conjunction with Varsity Chorale Women or Varsity Chorale Men.

Course Description: See course description for Madrigals/Chamber Ensemble I

Credit Type: Fine Arts State Credit

4364 Madrigals/Chamber Ensemble IV

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - By audition only. This choir may only be taken in conjunction with Varsity Chorale Women or Varsity Chorale Men.

Course Description: See course description for Madrigals/Chamber Ensemble I

Credit Type: Fine Arts State Credit

4371 Choral Music History

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - Audition Only/Admissions Committee Approval

Course Description: This is a performance-based curricular offering in which students will be given the opportunity to: listen, study, and perform selected works from the Renaissance, Baroque, Classical, Romantic, Impressionistic, Modern and Contemporary eras; become aware of melody, harmony, rhythm, form, and performance media that result in individuality and effect of musical works; undertake an in-depth study of musical formal analysis; and study the relationship of musical works, composers, forms, and styles to the political and social events of their musical and historical periods. Students will perform in-depth research into the works of a given composer or stylistic era and will present papers outlining that research. May be taken concurrently with any varsity choir.

Credit Type: Fine Arts State Credit

4372 AP Music Theory

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Must Be Taken Concurrently With Band or Choir/See AP Criteria

Course Description: AP Music Theory I is a college level course that surveys the fundamentals of harmonization, part writing, ear training, and sight singing. This course is a two semester course that encompasses the first two levels of Music Theory at most universities.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available. See AP criteria.

Credit Type: Fine Arts State Credit

4401 Theatre Arts I

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: This course offers students a foundation in theatre history and performance, regular emphasis of vocal and physical communication skills, improvisation, memorization and performance. Other units include Shakespeare, commedia dell'Arte, Technical Theatre Overview and Playwriting.

Credit Type: Fine Arts State Credit

4402 Theatre Arts II

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Theatre I/Admissions Committee Approval

Course Description: This course is a deeper study of theatre, emphasizing communication and performance skills. Acting concepts and theories will be applied to in-class performances. Playwriting, Human Video and performance opportunities will be offered.

Credit Type: Fine Arts State Credit

4403 Theatre Arts III

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Theatre I/Admissions Committee Approval

Course Description: These courses are designed for students with a serious interest in acting and performance. Students are expected to participate in rehearsals and performances of all department productions, taking a leadership role in each area. Acting refinement, technical theatre involvement and oversight of Front of House management will be emphasized.

Credit Type: Fine Arts State Credit

4404 Theatre Arts IV

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval

Course Description: See course description for Theatre Arts II.

Credit Type: Fine Arts State Credit

4411 Technical Theatre I

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval

Course Description: Admittance to all Technical Theatre classes is by Admissions Committee approval only. This class includes safety, operation of lights, sound, set design, as well as learning essential knowledge of stage management. Design projects include the creative use of prop, costume, make-up, scenery, lighting and sound. This course also covers responsibilities of the technical crew and available careers in theatre production. Students are expected to take an active role during and after school hours to support the running show.

Credit Type: Fine Arts State Credit

4412 Technical Theatre II

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval

Course Description: See course description for Technical Theatre I.

Credit Type: Fine Arts State Credit

4413 Technical Theatre III

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval

Course Description: See course description for Technical Theatre I.

Credit Type: Fine Arts State Credit

4414 Technical Theatre IV

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval

Course Description: See course description for Technical Theatre I.

Credit Type: Fine Arts State Credit

4421 Theatre Productions I

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval

Course Description: Admittance to Theatre Productions is by Admissions Committee approval and audition only. This highly advanced acting class is designed for students who have demonstrated the duality of talent and technique. All students in theatre productions are expected to audition for the One Act Play and must be able to meet all

requirements set forth by UIL regarding eligibility. 8th grade auditions will be held in the spring. Acting style, theories and techniques will be studied.

Credit Type: Fine Arts State Credit

4422 Theatre Productions II

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval

Course Description: See course description for Theatre Productions I.

Credit Type: Fine Arts State Credit

4423 Theatre Productions III

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval

Course Description: See course description for Theatre Productions I.

Credit Type: Fine Arts State Credit

4431 Theatre Directing

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval

Course Description: This is an advanced course offered by signature only to the most serious theatre student, offering the fundamental of script analysis, staging and interpretation as well as knowledge of stage directing. Prior acting experience along with a background in dramatic literature is strongly recommended. Students examine the principle theatre directors of the modern period and their work. Ultimately, students study the relationships of director to the play, the playwright, the actor, the designers, and the audience.

Credit Type: Fine Arts State Credit

4511 Art I

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: Art is for anyone and everyone! Students will draw, paint, design and create. Art fulfills the state requirement for a Fine Art Credit and is the prerequisite for Drawing II, Painting II, Ceramics II, and Sculpture/Mixed-Media.

Students are required to purchase \$40 in art supplies.

Credit Type: Fine Arts State Credit

4522 Art II Intro to Drawing

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - High School Art 1 & Art Teacher Approval

Course Description: This course develops problem solving and technical skills by experimenting with graphite, charcoal, inks, and pastels.

Students are required to purchase \$40 in art supplies.

Credit Type: Fine Arts State Credit

4523 Art III Intermediate Drawing

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Art I, Art II Drawing & Art Teacher Approval

Course Description: Compositional problem solving and technical skills will be continued. A student will begin to develop their portfolio.

Students are required to purchase \$40 in art supplies.

Credit Type: Fine Arts State Credit

4524 Art IV Upper Level Drawing

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - Art I, Art II Drawing, Art III Drawing & Art Teacher Approval

Course Description: Further study of compositional problem solving and development of technical skills. A student will develop their drawing portfolio.

Students are required to purchase \$40 in art supplies.

Credit Type: Fine Arts State Credit

4532 Art II Intro to Painting

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - High School Art I Credit & Art Teacher Approval

Course Description: Focus on paint mixing, color theory, and developing skills. Artists and art movements will be studied with emphasis on composition.

Students are required to purchase \$50 in art supplies.

Credit Type: Fine Arts State Credit

4533 Art III Intermediate Painting

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - H.S. Art I, Art II Painting & Art Teacher Approval

Course Description: Students will further develop their ability to create visual ideas and develop individual style/techniques.

Students are required to purchase \$40 in art supplies.

Credit Type: Fine Arts State Credit

4534 Art IV Upper Level Painting

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - H.S. Art I, Art II Painting, Art III Painting & Art Teacher Approval

Course Description: The student must be self-motivated and serious about painting. This course is designed to allow for exploration and development of individual style while creating a portfolio of artwork.

Students are required to purchase \$40 in art supplies.

Credit Type: Fine Arts State Credit

4542 Art II Sculpture/Mixed Media

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Art I and Art Teacher Approval

Course Description: Students will create three dimensional projects from paper, glue, wood, hose, cardboard, candles, fabric, yarn, linoleum and ink. Emphasis will be on safety, tools and procedures. Visual journals will be introduced.

Students are required to purchase \$40 in art supplies.

Credit Type: Fine Arts State Credit

4552 Art II Intro to Ceramics

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - High School Art 1 & Art Teacher Approval

Course Description: Introduction to ceramic processes: utilization of basic clay materials, building of clay forms. Firing, glazing, and aesthetic principles of ceramic sculpture.

Students are required to purchase \$50 in art supplies.

Credit Type: Fine Arts State Credit

4553 Art III Intermediate Ceramics

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - High School Art I, Art II Ceramics, & Art Teacher Approval

Course Description: Further study of ceramic techniques focusing on 3D portfolio development.

Students are required to purchase \$50 in art supplies.

Credit Type: Fine Arts State Credit

4554 Art IV Upper Level Ceramics

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - High School Art I, Art II Ceramics, Art III Ceramics and Art Teacher Approval

Course Description: Further study of ceramic techniques focusing on 3D portfolio development.

Students are required to purchase \$50 in art supplies.

Credit Type: Fine Arts State Credit

4562 AP Studio Art-Design Portfolio

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Art I and Art Teacher approval

Course Description: This advanced placement course is for the highly motivated and serious artist who demonstrates an interest in pursuing art after high school. Students will work on a portfolio to submit to the College Board. 1. Quality 2. Concentration 3. Breadth. Taking an additional art course in conjunction with AP Art Studio is recommended.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available. See AP criteria. Students are required to purchase \$40 in art supplies.

Credit Type: Fine Arts State Credit

4611 Dance I (Non-drill team)

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: Students are introduced to the fundamentals and techniques of all disciplines of dance. Creative expression and interpretation through movement are explored. Students will be required to furnish apparel (leotard & black Capri pants).

Expected cost to student for this course: \$55.

Credit Type: Fine Arts State Credit or PE State Credit

4612 Dance II (Non-drill team)

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Dance I or Admissions Committee Approval

Course Description: Dance II emphasizes beginner dance technique, routines and performance. Students will learn and improve and increase flexibility, stamina, and physical fitness while learning new dance terms.

Students will practice an effective warm-up, using elements of proper conditioning, and perform memorized movement combinations with rhythmical accuracy in several dance styles. Students will be required to purchase black leotard, jazz pants, and tap shoes. No after school hours are required.

Expected cost to student for this course: \$75.

Credit Type: Fine Arts State Credit or PE State Credit

4613 Dance III (Non-drill team)

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Dance II or Admissions Committee Approval

Course Description: See course description for Dance II (Non-drill team).

Credit Type: Fine Arts State Credit or PE State Credit

4614 Dance IV (Non-drill team)

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - Dance III or Admissions Committee Approval

Course Description: See course description for Dance II (Non-drill team).

Credit Type: Fine Arts State Credit or PE State Credit

4621 Dance Team I

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval and Participation In Drill Team

Course Description: Dance Team emphasizes dance techniques, routines and performance at football games, pep rallies, some basketball games, community events, contests, and spring show. Students will demonstrate sensitivity toward others when working in groups, and express ideas and emotions through movement. Students will practice an effective warm-up and cool-down, using elements of proper conditioning, and perform memorized movement sequences with rhythmical accuracy in several dance styles. Students will demonstrate appropriate audience behavior and etiquette in the classroom and at performances. After school hours are required. Try-outs take place in the spring semester. (Physical Education waiver can be used for Fall semester only.).

Credit Type: Fine Arts State Credit

4622 Dance Team II

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval and Participation In Drill Team

Course Description: See course description for Dance Team I.

Credit Type: Fine Arts State Credit

4623 Dance Team III

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval and Participation In Drill Team

Course Description: See course description for Dance Team I.

Credit Type: Fine Arts State Credit

4624 Dance Team IV

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - Admissions Committee Approval and Participation In Drill Team

Course Description: See course description for Dance Team I.

Credit Type: Fine Arts State Credit

4631 Dance Production I

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Drill Team Officers & Leaders

Course Description: This class will be much more advanced than the Dance Team class. It will focus on the officers and leaders of drill team. They will choreograph routines for productions, shows, and competitions throughout the year, design sets and costumes, and create lesson plans for the team. They will also demonstrate responsibility, artistic discipline, and creative problem solving. These students will gain more experience in the art of dance and dance production skills, as well as leadership qualities.

Credit Type: Fine Arts State Credit

4632 Dance Production II

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Drill Team Officers & Leaders

Course Description: See course description for Dance Production I.

Credit Type: Fine Arts State Credit

4633 Dance Production III

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - Drill Team Officers & Leaders

Course Description: See course description for Dance Production I.

Credit Type: Fine Arts State Credit

LOCAL COURSES

4910 Driver Education

Grade(s): 9-12 **Term:** Semester **Credits:** 0.5

Prerequisites - Must Be 15 Years of Age/Provide Original or Certified Copy of Birth Certificate/Provide Original Social Security Card

Course Description: Driver Education provides opportunities for students to acquire knowledge, establish attitudes, develop skills, and practice habits, which will allow them to operate safely and efficiently as Highway Transportation System users. Students are responsible for the registration fee for this course, which must be paid in full the first week of instruction. To enroll in Driver Education, students must not have lost credit due to attendance the previous semester. Students with upper class standing have priority in this course.

Expected cost to student for this course: \$355.

Credit Type: State Elective Credit

4911 Lead Worthy

Grade(s): 9-12 **Term:** Semester **Credits:** 0.5

Prerequisites - None

Course Description: This is a one semester course that teaches key concepts essential for maximum success at the high school level and in life. Study skills will be taught along with how to develop personal goals. Students will learn how to develop relationships, positive self-concept, peer pressure resistance, a positive attitude, work ethic, trust and support. Students will learn to be proactive leaders instead of reactive.

Credit Type: State Elective Credit

4913 GT Independent Study

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Student Must Be Identified As Gifted And Talented/Admissions Committee Approval

Course Description: This course is designed to allow students to pursue self-directed study in an area of personal interest. Students will be required to submit a proposal for a course of study, complete with a syllabus and an end-product that demonstrates mastery of the proposed topic. This class is wide open for the motivated student. MOOCs, business plans, mentorships, and original research are all examples of possible areas of study. Proposal forms for self-directed study topics must be submitted when course selections are due.

This course will be graded as pass/fail.

Credit Type: State Elective Credit

6601 Study Skills I

Grade(s): 9-10 **Term:** Semester **Credits:** 0.5

Prerequisites - Counselor approval

Course Description: The students will learn how to use the tools offered in the high school to help them succeed in the classroom. They will learn how to study using the following skills: time management, organization, goal setting, making schedules, stress management, critical thinking, memorization, and vocabulary building exercises. They will learn how to participate actively in the classroom using the following skills: preparing for class, taking notes in lectures, and paying attention to assigned tasks. They will learn how to prepare for tests using test taking strategies, general test preparation, anticipating test content, review tools for tests, and overcoming test anxiety.

Credit Type: Local Credit

6602 Study Skills II

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Counselor approval

Course Description: See course description for Study Skills I.

Credit Type: Local Credit

CAREER & TECHNICAL EDUCATION (CTE)

5110 Principles of Agriculture, Food and Natural Resources

Grade(s): 9-11 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: Enhances the agricultural comprehension of young adults. Includes agricultural career development, leadership, communications and personal finances. This course also includes the overview of soil and plants, animals, and agricultural construction.

Credit Type: State Elective Credit

5111 Wildlife, Fisheries and Ecology Management

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: Examines the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources. Students will also examine the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs. Students are able to obtain their Hunter Safety Certification during this course if they pass their exam.

Course Fee: \$50.

Credit Type: State Elective Credit

5121 Equine Science

Grade(s): 10-12 **Term:** Semester **Credits:** 0.5

Prerequisites - Principles of Agriculture

Course Description: Develop knowledge and skills pertaining to the selection, nutrition, reproduction, health, and management of horses. This course is recommended for those that have an interest in the Veterinary Science field.

Credit Type: State Elective Credit

5122 Livestock Production

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Principles of Agriculture

Course Description: Introduces the common veterinary skills and procedures used on livestock, anatomy of livestock, genetics and reproduction, and diseases that can affect all livestock animals. This course is recommended for those that have an interest in the Veterinary Science field.

Credit Type: State Elective Credit

5123 Advanced Animal Science

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - Principles of Agriculture and Small Animal Management, Equine Science, or Livestock Production

Course Description: Develop and investigate the scientific and technological dimensions of scientific animal agriculture, genetics and reproduction on, anatomy and physiology of various livestock species, nutritional requirements, and disease and parasites of livestock. This class is recommended for those students with an interest in Veterinary Science. This class will have 40% of class time instruction to conduct field experiments and laboratory investigations.

This course does NOT receive advanced weighting in the GPA.

Credit Type: Science State Credit or State Elective Credit

5124 Small Animal Management

Grade(s): 10-12 **Term:** Semester **Credits:** 0.5

Prerequisites - Principles of Agriculture

Course Description: Develop knowledge and skills pertaining to small animals and the small animal management industry. This course may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds.

Credit Type: State Elective Credit

5125 Veterinary Medical Applications

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Principles of Agriculture AND Livestock Production or Animal Science or Equine Science/Small Animal

Course Description: This course is designed to prepare students for careers in the field of animal science. This course covers knowledge and skills related to animal systems, workplace industry expectations, career opportunities, and veterinary practices for both large and small animal species. This class will introduce students to basic medical terminology, exam procedures, safety protocols, customer relations and more. This will not be a class for the faint-hearted. Students taking this course should be considering a career as a veterinarian, a registered vet technician, a research scientist, or other animal health careers such as kennel owner or groomer. Course Fees are for the mandatory FFA membership and other course materials and supplies.

Course Fee: \$100.

Credit Type: State Elective Credit

5126 Vet Field Experience Lab

Grade(s): 12 **Term:** Year **Credits:** 2

Prerequisites - Veterinary Medical Applications

Course Description: This course is a continuation of the Veterinary Medical Application course providing further training in the unlicensed veterinary assistant field. This upper-level course includes, but is not limited to, animal handling and restraint, health and safety, sanitation, surgical preparation, anatomy, physiology, medical terminology, infectious diseases, instrument and equipment identification, vaccine preparation and injection techniques, laws and ethics, and veterinary office procedures. The curriculum provides instruction to assist students in practicing communication skills, utilizing listening skills to follow directions, practicing basic mathematics skills as applied to a veterinary medical setting, and reading to gain information, and to perform assignments and tasks as directed. This course will include a clinical rotation designed to allow students to gain hands-on experience working in various veterinary assistant positions, and the teacher and rotation site sponsor should jointly develop worksite competencies.

This course will fill 2 class periods in the student's schedule. Students are strongly encouraged to develop leadership skills through the FFA organization for which dues are required.

Credit Type: State Elective Credit

5131 Ag Mechanics and Metal Technologies

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Principles of Agriculture

Course Description: Develops proficiency in many welding skills. Students will be expected to use the cutting torch and MIG Welders. Welding in several positions, which include flat, horizontal, and vertical. The course develops an understanding of tool operation, electrical wiring, plumbing, carpentry, and metal working techniques. Offers opportunity to earn NCCER Core Certification.

Course Fee: \$125.

Credit Type: State Elective Credit

5132 Ag Facilities Design and Fabrication

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Principles of Agriculture, Ag Mechanics & Metal Technologies

Course Description: Introduce and develop principles of electricity, Geographic Information Systems (GIS), working with concrete, water-management systems, masonry, drywall, and roofing materials.

Credit Type: State Elective Credit

5133 Dual Credit Introduction To Welding (at Lone Star College - Conroe)

Grade(s): 11-12 **Term:** Year **Credits:** 2

Prerequisites - Meet LSCS qualifications

Course Description: An introduction to fundamentals of equipment used in oxyacetylene and arc welding, including welding and cutting safety, basic oxyacetylene welding and cutting, basic arc welding processes and basic metallurgy - WLDG 1421, 1417, 1428, 1457. The Welding Technology Certificate Program (Dual Credit Welding) prepares the student for entry-level employment as a structural welder. Courses completed in this certificate program may be applied toward the welding technology associate of applied science degree. Course instruction provided at Lone Star College – Conroe Center (transportation will be available).

This course receives AP/DC weighting in the GPA. Expected cost to student for this course: \$300. This course will fill 3 class periods in the student's schedule.

Credit Type: State Elective Credit

5141 Floral Design

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: This course will allow students to develop the ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. There is a per semester cost for supplies in this course. Offers opportunity for Floral Certification.

Course Fee: \$100.

Credit Type: Fine Arts State Credit or State Elective Credit

5142 Advanced Floral Design

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Floral Design/Admissions Committee Approval

Course Description: This course is a continuation of Floral Design. There is a per semester cost for supplies in this course. Offers opportunity for Floral Certification.

This course does NOT receive advanced weighting in the GPA. Course Fee: \$100.

Credit Type: Fine Arts State Credit or State Elective Credit

5143 Horticultural Science

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: Focuses on the identification, production and care of plants. The students will study propagation, fertilizing, transplanting, and growing various plants. Students will also investigate the various career pathways within the horticulture industry.

This course does not receive Science credit.

Credit Type: State Elective Credit

5144 Advanced Plant & Soil Science

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: Students will investigate the importance of plant and soil science and its relationship affecting the production of food and fiber industry. Students will assess the plant ecosystem, erosion processes, petroleum energy, crop production, and genetically engineered plants and their importance to solving world hunger. This class will have 40% of class time instruction to conduct field experiments and laboratory investigations.

This course does NOT receive advanced weighting in the GPA.

Credit Type: Science State Credit or State Elective Credit

5210 Principles of Arts, AV Technology and Communication

Grade(s): 9-11 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: 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 an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities. Student is responsible for cost of additional supplies.

Expected cost to student for this course: \$30.

Credit Type: State Elective Credit

5211 Audio Video Production

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Principles of Arts, AV Technology / Completed Student Information Packet & Admissions Committee Approval

Course Description: 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. Student will be responsible for costs of additional supplies.

Expected cost to student for this course: \$30.

Credit Type: State Elective Credit

5212 Audio Video Production II

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Principles of Arts, AV Technology, Audio Video Productions I/Completed Student Information Packet /Admissions Committee Approval

Course Description: Students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production audio and video activities. This course will be implemented in an advanced audio and video format, including both audio and video. Student is responsible for cost of additional supplies.

Expected cost to student for this course: \$30.

Credit Type: State Elective Credit

5213 Practicum in Audio Video Production

Grade(s): 12 **Term:** Year **Credits:** 2

Prerequisites - Principles of Arts, AV Technology, AV Production I and II, and Admissions Committee Approval

Course Description: Students in this class will develop advanced knowledge and skills in the field of audio and video production. Students will develop their portfolio of work that will assist them in gaining entry level employment, earning admittance into college film/video, television/radio broadcasting, and audio production programs, as well as securing post-secondary scholarships. Additional time beyond regular school hours is required.

Expected cost to student for this course: \$30.

Credit Type: State Elective Credit

5310 Principles of Business, Marketing and Finance

Grade(s): 9-11 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: Students are introduced to knowledge and skills of economics and private enterprise systems, impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles.

Credit Type: State Elective Credit

5311 Business Information Management I (BIM I)

Grade(s): 9-11 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: Students will create word-processing documents, spreadsheets, graphs, charts, databases and presentations using appropriate software. Students prepare for the business world and postsecondary education by strengthening computer, communications, analytical, and technical skills. Students leave this class with the computer skills needed to compete in a technology driven environment as well as a working knowledge about information and business management. Offers opportunity to earn Microsoft Office Systems Certification via exam. This course is a part of the CTE pathways.

Credit Type: State Elective Credit

5312 Business Information Management II (BIM II)

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Suggested grade of 80 or higher in Business Information Management I.

Course Description: Students will create complex word-processing documents, sophisticated spreadsheets, graphs, charts and presentations using appropriate multimedia software. Students prepare for the business world and postsecondary education by strengthening computer, communications, analytical, and technical skills. Students leave this class with an electronic digital portfolio, technical skill competencies and possibly licensure or certifications. Offers opportunity to earn Microsoft Office Systems Certification via exam.

Course Fee: \$35.

Credit Type: State Elective Credit

5313 Human Resource Management

Grade(s): 11-12 **Term:** Semester **Credits:** 0.5

Prerequisites - Principles Of Business, Marketing & Finance, and one additional business management credit

Course Description: Students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students analyze the primary functions of human resources management, which include recruitment, selection, training, development, and compensation. Topics will incorporate social responsibility of business and industry. Students incorporate a broad base of knowledge that includes the legal, managerial, financial, ethical, and international dimensions of business to make appropriate human resources decisions.

Course Fee: \$25.

Credit Type: State Elective Credit

5314 Banking and Financial Services

Grade(s): 11-12 **Term:** Semester **Credits:** 0.5

Prerequisites - Principles Of Business, Marketing & Finance, and one additional financial management credit

Course Description: Students develop knowledge and skills in the economic, financial, technological, international, social and ethical aspects of banking to become competent consumers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the operations, sales, and management of banking institutions to gain a complete understanding of how banks function within society.

Credit Type: State Elective Credit

5320 Money Matters

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Principles of Business, Marketing, Finance

Course Description: Students will investigate global economics with emphasis on the free enterprise system and its impact on consumers and business. 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.

Credit Type: State Elective Credit

5321 Accounting I**Grade(s):** 10-12 **Term:** Year **Credits:** 1**Prerequisites** - None

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

Credit Type: State Elective Credit**5322 Accounting II****Grade(s):** 11-12 **Term:** Year **Credits:** 1**Prerequisites** - Accounting I

Course Description: Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision making. This course offers an opportunity to earn Quickbooks Certification.

Course Fee: \$100.**Credit Type:** State Elective Credit**5330 Entrepreneurship****Grade(s):** 10-12 **Term:** Year **Credits:** 1**Prerequisites** - BIM I/Principles of Business, Marketing & Finance

Course Description: Focuses on the options for business ownership, steps for starting a business, sources of information and technical assistance, types of business plans, qualities of an entrepreneur, the importance of entrepreneurs, and the advantages and disadvantages of owning one's own business.

Credit Type: State Elective Credit**5331 Business Management****Grade(s):** 10-12 **Term:** Year **Credits:** 1**Prerequisites** - BIM I/Principles of Business, Marketing & Finance

Course Description: Students develop a foundation in the economic, financial, technological, international, social and ethical aspects of business to become competent managers, employees, and entrepreneurs. Students incorporate a broad range of knowledge that includes legal, managerial, marketing, financial, ethical and international dimensions of business to make appropriate management decisions.

Credit Type: State Elective Credit**5332 Business Law****Grade(s):** 11-12 **Term:** Year **Credits:** 1**Prerequisites** - BIM I/Business Management

Course Description: Students analyze the evolution and development of laws that govern business in our society. Students apply technical skills to address business applications of contemporary legal issues and analyze the social responsibility of business and industry.

Credit Type: State Elective Credit**5333 Advertising****Grade(s):** 10-12 **Term:** Semester **Credits:** 0.5**Prerequisites** - BIM I/Principles of Business, Marketing & Finance

Course Description: Advertising and Sales Promotion are key elements to any business that markets a product or service. Students will discover the goals and objectives of various types of advertising and promotion identify and analyze advertisements and promotional campaigns, select media and develop advertisements. Students will learn about the different types of advertising media, measure the effectiveness of that media and determine the costs involved. Students will learn about the promotional mix and well as the importance of public relations.

Credit Type: State Elective Credit**5335 Sports and Entertainment Marketing****Grade(s):** 10-12 **Term:** Semester **Credits:** 0.5**Prerequisites** - Principles Of Business, Marketing & Finance

Course Description: Sports and entertainment marketing is a specialized course designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industries. Students will develop skills in the area of facility design, merchandising, advertising, public relations/publicity, event marketing, sponsorship, ticket distribution, and career opportunities as they relate to the sports and entertainment industries.

Credit Type: State Elective Credit**5340 Fundamentals of Real Estate****Grade(s):** 12 **Term:** Year **Credits:** 2**Prerequisites** - BIM I, Principles of Business, Marketing & Finance, and one additional business credit

Course Description: This is a one year course designed for students who would like to get a license to sell real estate. This is a state licensing program in cooperation with the Texas Real Estate Commission (TREC). Students must complete 180 hours of online coursework from Pioneer School Real Estate. Upon the satisfactory completion of the 180 hours, students are expected to take the TREC exam to become a licensed real estate agent.

Course Fee: \$475.**Credit Type:** State Elective Credit**5341 Career Preparation I****Grade(s):** 11-12 **Term:** Year **Credits:** 3**Prerequisites** - Required Paperwork Must Be Completed and Returned By Due Date/Admissions Committee Approval

Course Description: This work-based learning program will prepare students with a variety of skills for a fast-changing workplace. Students will learn employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Students MUST be sixteen (16) years of age. Students are normally of junior or senior standings and MUST have reliable transportation. Students MUST have/find paid employment within the first ten (10) days of school. Students MUST work an average of 15 hours per week. Offers opportunity to earn OSHA General Industry Safety Certification.

Credit Type: State Elective Credit

5342 Career Preparation II**Grade(s):** 12 **Term:** Year **Credits:** 3**Prerequisites** - Required Paperwork Must Be Completed and Returned By Due Date/Admissions Committee Approval/Career Preparation I**Course Description:** See course description for Career Preparation I.**Credit Type:** State Elective Credit**5351 Digital and Interactive Media****Grade(s):** 10-12 **Term:** Year **Credits:** 1**Prerequisites** - BIM I**Course Description:** In this year long class, students will create digital graphics, animation, videos, manipulate music and sound and create digital portfolios. Students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. This course is recommended for students who have successfully completed BIM I or any other advanced computer/technical credit course.**Credit Type:** MISD State Technology Credit**5352 Web Technologies****Grade(s):** 10-12 **Term:** Year **Credits:** 1**Prerequisites** - BIM I or Admissions Committee Approval**Course Description:** Through the study of web technologies and design, students learn to make informed decisions and apply the decisions to the field of information technology. 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. The course focuses on the creation of web sites using a variety of modern web standards such as XHTML/HTML and CSS, and includes work with animation and graphics.**Credit Type:** MISD State Technology Credit**5400 Principles of Hospitality and Tourism****Grade(s):** 9-11 **Term:** Year **Credits:** 1**Prerequisites** - None**Course Description:** This course provides an introduction to the hospitality and tourism industry. Topics include lodging, travel and tourism, recreation, amusements, attractions, resorts, and restaurant and food beverage service.**Credit Type:** State Elective Credit**5410 Principles of Human Services****Grade(s):** 9-11 **Term:** Year **Credits:** 1**Prerequisites** - None**Course Description:** This laboratory course will enable students to investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, and personal care services. Areas of study include establishing measurable goals, leadership skills, job interviewing, grooming and appearance in a professional setting, clothing selection, maintenance and construction, nutrition, wellness, and the preparation of

nutritious meals. Students will be responsible for cost of additional supplies.

Credit Type: State Elective Credit**5420 Principles of Education and Training****Grade(s):** 9-11 **Term:** Year **Credits:** 1**Prerequisites** - None**Course Description:** This course is designed to introduce learners to the various careers available within the education and training career cluster. Students use self-knowledge and educational and career information to analyze various careers within the education and training career cluster. Students will also gain an understanding of the basic knowledge and skills essential to careers within the education and training career cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.**Credit Type:** State Elective Credit**5421 Human Growth and Development****Grade(s):** 10-11 **Term:** Year **Credits:** 1**Prerequisites** - Principles of Education and Training**Course Description:** Students will exam the human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development. Students will be responsible for cost of additional supplies.**Credit Type:** State Elective Credit**5422 Instructional Practices****Grade(s):** 11-12 **Term:** Year **Credits:** 2**Prerequisites** - Principles of Education Training, Required Paperwork Must Be Completed and Returned By Due Date/Criminal Background Check/Admissions Committee Approval**Course Description:** A field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching practices. Students will work under the joint direction and supervision of a teacher who has expertise in the areas of child development and educational methodology and an exemplary educator who is working in an instruction role in an elementary/middle/high school setting. Students will learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers. Student MUST provide transportation. Student is responsible for the cost of uniform.**Expected cost to student for this course: \$50.****Credit Type:** State Elective Credit**5423 Practicum In Education and Training****Grade(s):** 12 **Term:** Year **Credits:** 2**Prerequisites** - Principles of Education and Training, Instructional Practices in Education & Training/Required Paperwork Must Be Completed and Returned By Due Date/Criminal Background Check/Admissions Committee Approval

Course Description: This is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students are under the joint direction and supervision of both a teacher and exemplary educators in direct instructional roles with elementary-, middle school- and high school-aged students. Student MUST provide transportation. Student is responsible for the cost of uniform.

Expected cost to student for this course: \$50.

Credit Type: State Elective Credit

5424 Peer Coaching For Students

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - A-B Average/No Discipline Concerns

Course Description: Peer Coaching for Students (PCS) is designed to promote an inclusive educational environment for at-risk and special education inclusion students. Enrolled students participate in "reverse inclusion" in self-contained classes. PCS is a course where positive peers make a positive impact in their fellow peer's lives.

Credit Type: Elective Local Credit

5431 Introduction to Culinary Arts

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Principles of Hospitality and Tourism

Course Description: This course is for students interested in pursuing a career in the food service industry. This classroom and laboratory based course will provide insight into health and safety, nutrition and wellness, industry management, and food production skill. This course emphasizes professional standards and employability skills.

Course Fee: \$50.

Credit Type: State Elective Credit

5432 Culinary Arts

Grade(s): 11-12 **Term:** Year **Credits:** 2

Prerequisites - Intro to Culinary Arts/Admissions Committee Approval

Course Description: 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 will receive a national sanitation certification, ServSafe Certification. The knowledge and skills required for careers in the restaurant, food, and beverage industry are emphasized. Student MUST provide transportation. Student is responsible for cost of additional supplies.

Course Fee: \$50.

Credit Type: State Elective Credit

5433 Advanced Culinary Arts

Grade(s): 12 **Term:** Year **Credits:** 2

Prerequisites - Culinary Arts/Admissions Committee Approval

Course Description: This laboratory-based course is designed to be a continuation of the Culinary Arts program. Students continue to refine their knowledge and skills required for careers in the restaurant, food, and beverage industry. Students can pursue a national sanitation certification and other appropriate industry certifications. Laboratory activities involve food production in a professional setting. Student MUST provide transportation. Student is responsible for cost of additional supplies.

This course does NOT receive advanced weighting in the GPA.

Course Fee: \$50.

Credit Type: State Elective Credit

5441 Fashion Design I

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Principles of Human Services

Course Description: This laboratory course focuses on careers in the fashion and textile/apparel industries. Students will be exposed to the apparel production process from design concept to finished product. Course content includes apparel construction, care, and maintenance. Students will be responsible for cost of additional supplies. Student is responsible for cost of additional supplies.

Course Fee: \$100.

Credit Type: State Elective Credit

5442 Fashion Design II

Grade(s): 11-12 **Term:** Year **Credits:** 2

Prerequisites - Principles of Human Services and Fashion Design I

Course Description: Students will be expected to develop an advanced understanding of fashion, with emphasis on design and production. Students will be responsible for costs of additional supplies.

Course Fee: \$100.

Credit Type: State Elective Credit

5450 Principles of Architecture and Construction

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Principles of Human Services

Course Description: Introduces students to the basic knowledge and skills related to the career opportunities and training in the architecture and construction fields.

Credit Type: State Elective Credit

5451 Interior Design I

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Principles of Human Services and Principles of Architecture & Construction

Course Description: This technical course addresses the needs of individuals by enhancing the environments in which they live and work. Students will use knowledge and skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity, and prepare for careers in the interior design field. Students will be responsible for cost of additional supplies.

Credit Type: State Elective Credit

5452 Interior Design II

Grade(s): 11-12 **Term:** Year **Credits:** 2

Prerequisites - Principles of Human Services, Principles of Architecture and Interior Design I

Course Description: This technical laboratory course that includes the knowledge of the employability characteristics, principles, process, technologies, communication, tools, equipment, and materials related to interior spatial design. Students will be responsible for cost of additional supplies.

Credit Type: State Elective Credit

5461 Cosmetology I**Grade(s):** 11-12 **Term:** Year **Credits:** 2**Prerequisites** - Principles of Human Services and MOGO Salon Academy application required**Course Description:** Provides students with the basic specific classroom training needed to achieve their Texas Cosmetology License. Students will also be able to work on outside clientele for hands-on training. Upon completion of their senior year and the required 1500 hours total, students will have received classroom training needed to prepare them for their Cosmetologist Exam from the Texas Department of Licensing and Regulations. This course is offered in partnership with MOGO Salon Academy.**Tuition and fees (of approximately \$12,050) are payable to the MOGO Salon Academy. Payment plan is available.****Credit Type:** State Elective Credit**5462 Cosmetology II****Grade(s):** 12 **Term:** Year **Credits:** 2**Prerequisites** - Cosmetology I**Course Description:** See course description for Cosmetology I**Credit Type:** State Elective Credit**5510 Principles of Health Science****Grade(s):** 9-11 **Term:** Year **Credits:** 1**Prerequisites** - None**Course Description:** The Principles of Health Science provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry. Students will achieve comprehension of medical vocabulary pertaining to the body systems, medical procedures, anatomy and physiology & pathophysiology.**Credit Type:** State Elective Credit**5511 Health****Grade(s):** 9-12 **Term:** Semester **Credits:** 0.5**Prerequisites** - None**Course Description:** Provides students with an introduction to health facts which develop proper attitudes, establish practices and habits that will contribute to personal, family, and community health.**Credit Type:** State Elective Credit**5512 Medical Terminology****Grade(s):** 9-12 **Term:** Year **Credits:** 1**Prerequisites** - Principles of Health Science (may be taken concurrently)**Course Description:** This course is designed to introduce student to the structure of medical terms, including prefixes, suffixes, root words, singular and plural forms, and medical abbreviations. Students will study the systems of the body learning medical terminology related to each system. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.**Credit Type:** State Elective Credit**5513 Health Science Theory****Grade(s):** 11-12 **Term:** Year **Credits:** 1**Prerequisites** - Principles of Health Science**Course Description:** This course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will achieve comprehension of medical vocabulary pertaining to the body systems, medical procedures, anatomy and physiology & pathophysiology. Students will have hands-on experiences for continued knowledge and skill development. This course offers an opportunity to earn an EKG certification. May substitute for required MISD Health Credit if taken for full year.**Course Fee:** \$125.**Credit Type:** State Elective Credit**5514 Pharmacology****Grade(s):** 11-12 **Term:** Year **Credits:** 1**Prerequisites** - Principles of Health Science, Health Science Theory**Course Description:** Pharmacology is an introduction to the pharmacy and careers in pharmaceuticals. Students will learn about pharmacy laws, medications and how they are given, medical abbreviations, and math and prescriptions. This is a great class for those interested in pharmacy, nursing or medicine. Pharmacology will prepare students to take the Pharmacy Technician course.**Credit Type:** State Elective Credit**5515 Pathophysiology****Grade(s):** 11-12 **Term:** Year **Credits:** 1**Prerequisites** - Biology and Chemistry or Physics**Course Description:** Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students also 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.**Credit Type:** Science State Credit or State Elective Credit**5516 Practicum in Health Science-Certified Clinical Medical Assistant****Grade(s):** 12 **Term:** Year **Credits:** 2**Prerequisites** - Principles of Health Science, Health Science Theory, and Admissions Committee Approval**Course Description:** This course is designed to prepare students for an entry level position as a Certified Medical Assistant in a private office or clinic. Students will have a broad foundation of the healthcare field with an emphasis on professionalism, communication, behaviors and duties in a medical environment. There will be rotations through local facilities and clinics that will encourage and enhance all skills. Students must pass a background check and drug screen. Student must have a current flu vaccination, negative TB test, drivers license, provide own transportation, and copy of insurance. Student is responsible for these costs as well as for scrubs, OSHA & CPR Certification, blood typing test, and the Medical Assisting Certification Exam. Enrollment is limited.**Expected cost to student for this course:** \$150.**Credit Type:** State Elective Credit

5517 Practicum in Health Science-Certified Nursing Assistant**Grade(s):** 12 **Term:** Year **Credits:** 2**Prerequisites** - Principles of Health Science, Health Science Theory, Anatomy and Physiology

Course Description: A Certified Nursing Assistant (CNA), also known as a nurse aide, is a state approved program that play a key role as members of the comprehensive healthcare team in a variety of medical settings that make between \$11.00- \$15.00 the first year of employment. CNAs are employed in hospitals, long-term care facilities, nursing homes, community care facilities and as home health aides in patient's homes. CNA's are trained to take care of patients' basic needs, including bathing and feeding, and provides support to other medical professionals. CNA courses include a combination of lectures and laboratory practice which will prepare you to take your state board competency exam needed for certification. After completing the required courses, students in the CNA program do some supervised clinical work through an externship at a medical care facility. This course is good background information for student interested in nursing, medicine, pharmacy or any other health care profession. Students must pass a background check and drug test, have a driver's license, provide own transportation, and proof of insurance. Students are responsible for cost of clinical uniform, drug test, required vaccinations, class workbook, and fees associated with taking the state certification exam at the end of the school year.

This course cannot be taken as pass/fail. Expected cost to student for this course: \$150.

Credit Type: State Elective Credit**5518 Practicum in Health Science-Pharmacy Technician****Grade(s):** 12 **Term:** Year **Credits:** 2**Prerequisites** - Principles of Health Science, Health Science Theory, Pharmacology (recommended), and Admissions Committee Approval

Course Description: Pharmacy Technician provides the student the opportunity to prepare to take and pass the National Pharmacy Technician exam. Pharmacy technicians work under a licensed pharmacist assisting with labeling medicines, filling medicine bottles with the correct number of pills or tablets and other activities common in pharmacies. This course is good background information for students interested in nursing, medicine or pharmacy. Student is responsible for cost of test, fingerprinting and passing a background check. The Pharmacy Technician Certification Exam is \$129. In order to sit for this exam, students must complete the Pharmacy Tech in Training license which is \$100. There is an option to add the SPAT-IV certification which is \$250. Please see the Health Science teacher with questions about this course.

This course cannot be taken as pass/fail. Expected cost to student for this course: \$480.

Credit Type: State Elective Credit**5519 Dual Credit Emergency Medical Technician (at Lone Star College - Conroe)****Grade(s):** 12 **Term:** Year **Credits:** 2**Prerequisites** - Meet LSCS qualifications

Course Description: Preparation for certification as an Emergency Medical Technician (EMT). Includes all the skills necessary to provide emergency medical care at a basic life support level with an emergency service or other specialized services. Student purchases textbook and

provides uniform and proof of immunizations. Course completion requires three classes, EMSP 1305, EMSP 1160, and EMSP 1501 by the end of the school year. Course instruction provided at Lone Star College – Conroe Center.

This course receives AP/DC weighting in the GPA. This course will fill 3 class periods in the student's schedule.

Credit Type: State Elective Credit**5610 Principles of Law, Public Safety, Corrections and Security****Grade(s):** 9-11 **Term:** Year **Credits:** 1**Prerequisites** - none

Course Description: Introduces students to professions in law enforcement, protective services, corrections, firefighting, 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, protective services, and corrections.

Comprehensive reading and writing skills are recommended as complex laws are read, analyzed, and applied in this course which attributes to a substantial percentage of a student's evaluation.

Course Fee: \$30. Offers opportunity to earn either OSHA General Industry Safety Certification, CPR, or another industry certification.

Credit Type: State Elective Credit**5611 Law Enforcement I****Grade(s):** 10-12 **Term:** Year **Credits:** 1**Prerequisites** - Principles of Law

Course Description: An overview of the history, organization, and functions of local, state, and federal law enforcement. Students will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime.

Comprehensive reading and writing skills are recommended as complex laws are read, analyzed, and applied in this course which attributes to a substantial percentage of a student's evaluation.

Course Fee: \$30. Offers opportunity to earn either OSHA General Industry Safety Certification, CPR, or another industry certification.

Credit Type: State Elective Credit**5612 Court Systems and Practices****Grade(s):** 10-12 **Term:** Year **Credits:** 1**Prerequisites** - Principles of Law

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

Comprehensive reading and writing skills are recommended as complex laws are read, analyzed, and applied in this course which attributes to a substantial percentage of a student's evaluation.

Course Fee: \$30. Offers opportunity to earn either OSHA General Industry Safety Certification, CPR, or another industry certification.

Credit Type: State Elective Credit

5613 Correctional Services**Grade(s):** 10-12 **Term:** Year **Credits:** 1**Prerequisites** - Principles of Law, Public Security, Corrections and Security

Course Description: Correctional Services students prepare for certification required for employment as a municipal, county, state or federal correctional officer. The student will learn the role and responsibilities of a county or municipal correctional officer; discuss relevant rules, regulations, and laws of municipal, county, state or federal facilities; and discuss defensive tactics, restraint techniques, and first aid procedures as used in the municipal, county, state or federal correctional setting. The student will analyze rehabilitation and alternatives to institutionalization for inmates.

This course has a substantial writing component, strong writing skills are required. Writing comprises a substantial percentage of the course average. Comprehensive reading skills are a must since complex laws are read, analyzed, and applied to scenarios. Offers opportunity to earn either OSHA General Industry Safety Certification or another industry certification.

Credit Type: State Elective Credit

5614 Forensic Science**Grade(s):** 11-12 **Term:** Year **Credits:** 1**Prerequisites** - Biology and one other Science credit in IPC, Chemistry, Physics, or Anatomy & Physiology

Course Description: Students are introduced to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students learn terminology and procedures related to criminal investigation, crime scene processing, crime laboratory, and courtroom presentation using evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, projectiles or weapons utilizing appropriate scientific analysis and procedures. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science.

Course Fee: \$50. Comprehensive reading and writing skills are recommended. Offers opportunity to earn either CPR or another industry certification.

Credit Type: Science State Credit or State Elective Credit

5616 Dual Credit Criminal Justice**Grade(s):** 11-12 **Term:** Year **Credits:** 1**Prerequisites** - Principles of Law, and one other Criminal Justice course, Passing entrance score as per Lone Star College, Admissions Committee Approval

Course Description: An overview of the criminal justice system. Topics include the history and philosophy of criminal justice, the definition of crime, and its nature and impact. First semester students receive credit for CRIJ 1301; second semester for CRIJ 1306.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available. Comprehensive reading and writing skills are recommended as complex laws are read, analyzed, and applied in this course which attributes to a substantial percentage of a student's evaluation.

Credit Type: State Elective Credit

5621 MCJROTC I**Grade(s):** 9-12 **Term:** Year **Credits:** 1**Prerequisites** - None

Course Description: The Marine Corps JROTC program is a four year program that is designed to prepare students for life beyond high school. The mission of the Marine Corps Junior ROTC is to: develop informed and responsible citizens, develop leadership skills, strengthen character, and help form habits of self-discipline. The second through fourth years of the program build on the first year by offering an opportunity to become involved in leadership roles. Completion of JROTC offers immediate benefits (promotions) for those students choosing to enlist after high school. We also help prepare students with college ROTC and Service Academy Scholarship applications in their junior and senior year. All uniforms, equipment and supplies are furnished by the program except the student's personal athletic clothing, the cost of which is the responsibility of the student. Students must be able to complete the physical functions associated with military drill and basic forms of exercise. Lastly, students must also be able to fit into issued uniforms. A Physical Education waiver applies to this class.

Course Fee: \$50. Lake Creek students must be able to take two class periods (1st and 2nd) to accommodate being transported to and from Montgomery High School for the class.

Credit Type: State Elective Credit and Physical Education Waiver

5622 MCJROTC II**Grade(s):** 10-12 **Term:** Year **Credits:** 1**Prerequisites** - MCJROTC I/ Admissions Committee Approval

Course Description: JROTC II/III/IV builds on the first year experience by allowing cadets to be assigned leadership roles within the unit. Cadets learn decision making and the fundamentals of leadership while taking on ever increasing roles of responsibility within the unit. Additionally, cadets assume leadership roles within the after-school teams that further develop their sense of shared purpose and belonging. All general information contained in JROTC I above also applies to JROTC II/III/IV.

Course Fee: \$50.

Credit Type: State Elective Credit and Physical Education Waiver

5623 MCJROTC III**Grade(s):** 11-12 **Term:** Year **Credits:** 1**Prerequisites** - MCJROTC II/ Admissions Committee Approval**Course Description:** See course description for MCJROTC II.**Course Fee: \$50.**

Credit Type: State Elective Credit and Physical Education Waiver

5624 MCJROTC IV**Grade(s):** 12 **Term:** Year **Credits:** 1**Prerequisites** - MCJROTC III/ Admissions Committee Approval**Course Description:** See course description for MCJROTC II.**Course Fee: \$50.**

Credit Type: State Elective Credit and Physical Education Waiver

5632 MCJROTC Drill II**Grade(s):** 10-12 **Term:** Year **Credits:** 1**Prerequisites** - Admissions Committee Approval

Course Description: This course is available only to cadets taking a regular JROTC class. Cadets who attend and are selected after tryouts for the drill teams will develop and refine the leadership skills and sense of teamwork initiated in the regular JROTC classes. Teams include Armed/Unarmed Drill as well as Color Guard. Precision drill, academics and detailed grooming standards are all emphasized in preparation for competitive drill and athletic events. Cadets selected for this class must be available after school on selected days for practice. Cadets will be required to attend competitive events several times throughout the year in/around the state.

Credit Type: Elective Local Credit**5633 MCJROTC Drill III****Grade(s):** 11-12 **Term:** Year **Credits:** 1**Prerequisites** - Admissions Committee Approval**Course Description:** See course description for MCJROTC Drill II.**Credit Type:** Elective Local Credit**5634 MCJROTC Drill IV****Grade(s):** 12 **Term:** Year **Credits:** 1**Prerequisites** - Admissions Committee Approval**Course Description:** See course description for MCJROTC Drill II.**Credit Type:** Elective Local Credit**5641 MCJROTC Student Leadership - Juniors****Grade(s):** 11 **Term:** Year **Credits:** 1**Prerequisites** - Admissions Committee Approval

Course Description: This course is available only to select JROTC juniors who have indicated a desire to enlist immediately after high school, or who are preparing ROTC/Service Academy scholarships. Physical conditioning is emphasized as well as the basic elements of self-discipline necessary to succeed in both a college and military environment. Students are given advanced information regarding enlistment and scholarship opportunities.

Credit Type: State Elective Credit**5642 MCJROTC Student Leadership - Seniors****Grade(s):** 12 **Term:** Year **Credits:** 1**Prerequisites** - Admissions Committee Approval

Course Description: This course is available only to select JROTC seniors who have indicated a desire to enlist immediately after high school, or who are preparing ROTC/Service Academy scholarships. Physical conditioning is emphasized as well as the basic elements of self-discipline necessary to succeed in both a college and military environment. Students are given advanced information regarding enlistment and scholarship opportunities.

Credit Type: State Elective Credit**5643 MCJROTC Command Development****Grade(s):** 12 **Term:** Year **Credits:** 1**Prerequisites** - Admissions Committee Approval

Course Description: The Command Development class provides cadets the opportunity to receive advanced training in command and staff tasks associated with the logistic and administrative requirements essential to the functioning of the JROTC unit. These include but are not limited to: supply ordering, inventory and organization; cadet service, promotion and award record keeping; weekly inspection recording and preparation; garrison property inventory and maintenance; armory, ordnance and optical equipment maintenance and inventory; battalion annual cruise book preparation and other functions as determined by the Senior Marine Instructor. This class requires prior approval of the SMI for entry and is only open to senior cadets.

Credit Type: State Elective Credit**5801 PLTW - Introduction To Engineering Design****Grade(s):** 9-10 **Term:** Year **Credits:** 1**Prerequisites** - Concurrent Enrollment or Successful Completion Of Algebra I

Course Description: Introduction to Engineering Design teaches you the engineering design process through activities, problems, and projects. Topics include engineering notebooks, design processes, prototyping, technical sketching, measurement and statistics, 3D computer solid modeling and reverse engineering.

This course receives advanced weighting in the GPA.**Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses.****Credit Type:** State Elective Credit**5802 PLTW - Civil Engineering and Architecture****Grade(s):** 10-12 **Term:** Year **Credits:** 1**Prerequisites** - PLTW - Introduction To Engineering Design, Score of 4+ on IED End of Course Exam or Admissions Committee Approval

Course Description: Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software.

This course receives advanced weighting in the GPA.**Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses.****Credit Type:** State Elective Credit**5803 PLTW - Aerospace Engineering****Grade(s):** 10-12 **Term:** Year **Credits:** 1**Prerequisites** - PLTW - Introduction To Engineering Design, Score of 4+ on IED End of Course Exam or Admissions Committee Approval

Course Description: This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles.

This course receives advanced weighting in the GPA.**Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses.****Credit Type:** State Elective Credit**5804 PLTW - Digital Electronics****Grade(s):** 10-12 **Term:** Year **Credits:** 1

Prerequisites - PLTW - Introduction To Engineering Design, Score of 4+ on IED or CSP End of Course Exam or Admissions Committee Approval

Course Description: The study of electronic circuits that are used to process and control digital signals as opposed to analog signals that are varying. This distinction allows for greater signal speed and storage capabilities and has revolutionized the world electronics. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, high definition televisions, etc. The major focus of the DE course is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation.

This course receives advanced weighting in the GPA.

Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses.

Credit Type: State Elective Credit or Math State Credit

5805 PLTW - Principles of Engineering

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - PLTW - Introduction To Engineering Design, Physics or concurrent enrollment, Score of 4+ on IED End of Course Exam or Admissions Committee Approval

Course Description: This survey course exposes students to major concepts they'll encounter in a post-secondary engineering course of study. Topics include mechanisms, energy, statics, materials, software control, and kinematics. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work, and communicate solutions.

This course receives advanced weighting in the GPA.

Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses.

Credit Type: State Elective Credit or Science State Credit

5806 PLTW - Engineering Design and Development (Capstone)

Grade(s): 12 **Term:** Year **Credits:** 1

Prerequisites - PLTW - Introduction to Engineering Design, PLTW - Principles of Engineering, Score of 4+ on IED & POE End of Course Exams, and Admissions Committee Approval

Course Description: The knowledge and skills students acquire throughout PLTW Engineering come together in EDD as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing EDD ready to take on any post-secondary program or career.

This course receives advanced weighting in the GPA.

Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses. Requires completed paperwork by posted date. See Engineering teacher for questions concerning course.

Credit Type: State Elective Credit

5807 Introduction to Robotics and Automation

Grade(s): 10-11 **Term:** Year **Credits:** 1

Prerequisites - PLTW - Introduction to Engineering Design, Score of 4+ on IED End of Course Exam or Admissions Committee Approval

Course Description: The objective of this course is to introduce the student to basic programming as well as problem solving strategies. This course will involve students in the development, building and programming of a robot. Students will work hands-on in teams to design, build, program and document their progress. Topics may include motor control, gear ratios, torque, friction, sensors, timing, program loops, logic gates, decision-making, timing sequences, propulsion systems and binary number systems. Student designed robots will be programmed to compete in various courses as developed by VEX.

This course receives advanced weighting in the GPA.

Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses. Requires completed paperwork by posted date. See Engineering teacher for questions concerning course.

Credit Type: State Elective Credit

5808 Scientific Research & Design Advanced Robotics

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - PLTW - Introduction to Engineering Design, PLTW - Principles of Engineering, or Introduction to Robotics, Admissions Committee Approval

Course Description: The purpose of the Advanced Robotics course is to extend and build on the skills and knowledge of students who have completed the introductory robotics course. Advanced Robotics is built around the extensive understanding of robotic systems and the development of workplace competencies. The main focus of the class involves solving engineering design problems. Students enrolled in this course will prepare and compete in VEX Competitions at a higher level.

This course receives advanced weighting in the GPA.

Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses. Requires completed paperwork by posted date. See Engineering teacher for questions concerning course.

Credit Type: State Elective Credit

5811 PLTW - Fundamentals of Computer Science

Grade(s): 9-12 **Term:** Year **Credits:** 1

Prerequisites - None

Course Description: Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. CSP helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. This course aligns with the AP Computer Science course.

This course receives advanced weighting in the GPA.

Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses.

Credit Type: State Elective Credit

5812 AP Computer Science A

Grade(s): 10-12 **Term:** Year **Credits:** 1

Prerequisites - Computer Science Principles/See AP Criteria

Course Description: Focusing on further developing computational-thinking skills through the medium of Android™ App development for mobile platforms, this course utilizes industry-standard tools such as Android Studio, Java™ programming language, XML, and device emulators. Students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web-based databases. This course aligns with the AP CS A course.

This course can count as both a state math credit and a foreign language credit.

This course receives AP/DC weighting in the GPA. Students may not self-elect out of this course during the school year as no equivalent level course is available. See AP criteria.

Credit Type: State Elective Credit

5813 PLTW - Foundations of Cybersecurity

Grade(s): 11-12 **Term:** Year **Credits:** 1

Prerequisites - Computer Science Principles

Course Description: Student will learn about tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely.

This course receives advanced weighting in the GPA.

Student/Parent Contract must be submitted along with course registration form for all Advanced & AP courses.

Credit Type: State Elective Credit

5814 Practicum in Science, Technology, Engineering, and Math: Cybersecurity

Grade(s): 12 **Term:** Year **Credits:** 2

Prerequisites - Algebra I, Geometry and Cybersecurity

Course Description: The course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technology education courses in the Computer Science pathway. This course provides content aligned with challenging academic standards and relevant technical knowledge and skills to further their education and succeed in current or emerging professions in Cybersecurity. This course offers the student an opportunity to earn a certification in CompTIA Security+.

Expected cost to student for this course: \$339.

Credit Type: State Elective Credit

5891 Dual Credit Basic Machine Shop I (at Lone Star College - Conroe)

Grade(s): 11-12 **Term:** Year **Credits:** 2

Prerequisites - Meet LSCS qualifications

Course Description: An introductory course that assists the student in understanding the machinist occupation in industry. The student begins by using basic machine tools such as the lathe, milling machine, drill press, power saw and bench grinder. Machine terminology, theory, math, part layout, and bench work using common measuring tools is included. Instruction is designed to provide job specific training for entry-level employment skills in metal machinist careers. Students must be 16

years of age. Course instruction provided at Lone Star College – Conroe Center (transportation will be available). MCHN 1302, 1343, 1338, 1352

This course receives AP/DC weighting in the GPA. This course will fill 3 class periods in the student's schedule.

Credit Type: State Elective Credit

5892 Dual Credit Auto Tech (at Lone Star College - Conroe)

Grade(s): 11-12 **Term:** Year **Credits:** 2

Prerequisites - Meet LSCS qualifications

Course Description: An introduction to the automotive industry including automotive history, safety practices, shop equipment and tools, vehicle subsystems, service publications, fasteners, professional responsibilities, and automotive maintenance - AUMT 1405, 1407, 1410, 1416. Courses completed in the certificate programs may be applied toward the associate degree in automotive technology. Course instruction provided at Lone Star College – Conroe Center (transportation will be available).

This course receives AP/DC weighting in the GPA. This course will fill 3 class periods in the student's schedule.

Credit Type: State Elective Credit