# Course Selection Handbook

## Table of Contents 2019-2020

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>GENERAL INFORMATION</td>
<td>3</td>
</tr>
<tr>
<td>GRADUATION PROGRAMS</td>
<td>4</td>
</tr>
<tr>
<td>ENDORSEMENT PATHWAYS</td>
<td>5</td>
</tr>
<tr>
<td>ACADEMIC COURSE GUIDE</td>
<td>7</td>
</tr>
<tr>
<td>HIGH SCHOOL GRADUATION TESTING REQUIREMENTS</td>
<td>8</td>
</tr>
<tr>
<td>GRADE LEVEL CLASSIFICATION</td>
<td>8</td>
</tr>
<tr>
<td>SCHEDULE CHANGES</td>
<td>8</td>
</tr>
<tr>
<td>COLLEGE CREDIT COURSES</td>
<td>9</td>
</tr>
<tr>
<td>ADVANCED PLACEMENT (AP) COURSES</td>
<td>9</td>
</tr>
<tr>
<td>DUAL CREDIT (DC) COURSES</td>
<td>10</td>
</tr>
<tr>
<td>FOREIGN EXCHANGE STUDENTS</td>
<td>12</td>
</tr>
<tr>
<td>AWARD OF CREDIT</td>
<td>12</td>
</tr>
<tr>
<td>TEXAS VIRTUAL SCHOOL NETWORK (TXVSN)</td>
<td>12</td>
</tr>
<tr>
<td>CREDIT BY EXAMINATION (CBE)</td>
<td>13</td>
</tr>
<tr>
<td>CORRESPONDENCE COURSES</td>
<td>14</td>
</tr>
<tr>
<td>SUMMER SCHOOL</td>
<td>14</td>
</tr>
<tr>
<td>JUNIOR HIGH COURSEWORK</td>
<td>14</td>
</tr>
<tr>
<td>CAREER &amp; TECHNICAL EDUCATION</td>
<td>14</td>
</tr>
<tr>
<td>GRADE POINT SYSTEM</td>
<td>15</td>
</tr>
<tr>
<td>INTERSCHOLASTIC COMPETITION ELIGIBILITY</td>
<td>16</td>
</tr>
<tr>
<td>COLLEGE ENROLLMENT/FINANCIAL AID/SCHOLARSHIPS</td>
<td>17</td>
</tr>
<tr>
<td>IMPORTANT INFORMATION FOR SENIORS</td>
<td>18</td>
</tr>
<tr>
<td>NCAA FRESHMAN-ELIGIBILITY STANDARDS</td>
<td>20</td>
</tr>
<tr>
<td>COURSE CATALOG</td>
<td>21</td>
</tr>
</tbody>
</table>
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 for the next school year. 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. You may contact the following resources for more information:

<table>
<thead>
<tr>
<th>Counseling Center</th>
<th>Montgomery High School</th>
<th>(936) 276-3030</th>
</tr>
</thead>
<tbody>
<tr>
<td>College &amp; Career Center</td>
<td>(936) 276-3037</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lake Creek High School</th>
<th>(936) 276-4029</th>
</tr>
</thead>
<tbody>
<tr>
<td>College &amp; Career Center</td>
<td>(936) 276-4036</td>
</tr>
</tbody>
</table>

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 February 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.

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>FOUNDATION HIGH SCHOOL PROGRAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGLISH</td>
<td>4 Credits: English I, II, III, and one additional English course</td>
</tr>
<tr>
<td>MATHEMATICS</td>
<td>3 Credits: Algebra I, Geometry, and one additional math course</td>
</tr>
<tr>
<td>SCIENCE</td>
<td>3 Credits: Biology, IPC or an advanced science course, and one additional science course</td>
</tr>
<tr>
<td>TECHNOLOGY APPLICATIONS</td>
<td>1 Elective Credit * (BIM)</td>
</tr>
<tr>
<td>PHYSICAL EDUCATION</td>
<td>1 Credit: Physical Education or state approved alternative (athletics, marching band, etc.)</td>
</tr>
<tr>
<td>FINE ARTS</td>
<td>1 Credit: Fine Arts</td>
</tr>
<tr>
<td>LANGUAGE OTHER THAN ENGLISH</td>
<td>2 Credits: Spanish, French (both credits in the same language)</td>
</tr>
<tr>
<td>ELECTIVES</td>
<td>4 Credits: Electives</td>
</tr>
</tbody>
</table>

**TOTAL = 22**

1. FOUNDATION HSP WITHOUT AN ENDORSEMENT (Committee Approval Is Required) + 2 Credits: Elective Credits

**TOTAL CREDITS WITHOUT ENDORSEMENT = 24**

2. FOUNDATION HSP WITH AN ENDORSEMENT (The 5 Endorsements are listed in detail below) + 4 CREDITS - A STUDENT MAY EARN AN ENDORSEMENT BY SUCCESSFULLY COMPLETING:
   - Four credits in mathematics
   - Four credits in science
   - Two additional elective credits

   **STEM**
   - Includes courses directly related to:
     - Science, including environmental science
     - Technology, including computer science
     - Engineering (PLTW)
     - Advanced math
     - Robotics

   **BUSINESS & INDUSTRY**
   - Includes courses directly related to:
     - 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:
     - 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:
     - 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)
   - 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**

A student may earn a performance acknowledgment on the student’s transcript...

1. For outstanding performance:
   - in a dual credit course
   - in bilingualism and bi-literacy
   - on an AP test or IB exam
   - on the PSAT, the ACT-Plan, the SAT, or the ACT

2. For earning a nationally or internationally recognized business or industry certification or license

*Montgomery Independent School District Requirement*
## ENDORSEMENT PATHWAYS

<table>
<thead>
<tr>
<th>Agricultural Animal Systems</th>
<th>BUSINESS &amp; INDUSTRY</th>
<th>IT Web &amp; Digital Media</th>
</tr>
</thead>
<tbody>
<tr>
<td>5111 Wildlife Fisheries</td>
<td>5331 Business Management</td>
<td>5351 Digital Media</td>
</tr>
<tr>
<td>5122 Livestock Production</td>
<td>5312 Business Info Management II</td>
<td>5352 Web Technology</td>
</tr>
<tr>
<td>5123 Animal Science</td>
<td>5313 Human Resource Management (.5 credit)</td>
<td>5312 Business Info Management II</td>
</tr>
<tr>
<td>5121 Equine Science (.5 credit)</td>
<td>5332 Business Law</td>
<td>5320 Money Matters</td>
</tr>
<tr>
<td>5124 Small Animal Management (.5 credit)</td>
<td>5314 Banking &amp; Financial Services (.5 credit)</td>
<td>5331 Business Management</td>
</tr>
<tr>
<td>1571 Aquatic Science</td>
<td>5320 Money Matters</td>
<td>5313 HR Manag. (.5 credit)</td>
</tr>
<tr>
<td>5125 Veterinary Medical Applications</td>
<td>5321 Accounting I</td>
<td>5341 Career Prep I</td>
</tr>
<tr>
<td>5126 Veterinary Field Experience</td>
<td>5322 Accounting II</td>
<td>5342 Career Prep II</td>
</tr>
</tbody>
</table>

### Agricultural Mechanics

<table>
<thead>
<tr>
<th>ENDORSEMENT PATHWAYS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5110 Prin. Of Agriculture, Food &amp; Nat Res</td>
</tr>
<tr>
<td>5131 Ag Mechanics &amp; Metal</td>
</tr>
<tr>
<td>5132 Ag Structures Design &amp; Fab.</td>
</tr>
<tr>
<td>5342 Career Prep II</td>
</tr>
</tbody>
</table>

### Business Marketing

<table>
<thead>
<tr>
<th>ENDORSEMENT PATHWAYS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5110 Prin. Business Marketing &amp; Finance</td>
</tr>
<tr>
<td>5131 Ag Mechanics &amp; Metal</td>
</tr>
<tr>
<td>5341 Career Prep I</td>
</tr>
<tr>
<td>5342 Career Prep II</td>
</tr>
<tr>
<td>5340 Fundamentals of Real Estate</td>
</tr>
<tr>
<td>5342 Career Prep II</td>
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</tbody>
</table>

### Agriculture Plant Systems

<table>
<thead>
<tr>
<th>ENDORSEMENT PATHWAYS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5110 Prin. Of Agriculture, Food &amp; Nat Res</td>
</tr>
<tr>
<td>5141 Floral Design</td>
</tr>
<tr>
<td>5143 Horticulture</td>
</tr>
<tr>
<td>5144 Plant &amp; Soil Science</td>
</tr>
<tr>
<td>5142 Floral Design II</td>
</tr>
<tr>
<td>5310 Prin. Business Marketing &amp; Finance</td>
</tr>
<tr>
<td>5312 Business Info Management II</td>
</tr>
<tr>
<td>5313 Human Resource Management (.5 credit)</td>
</tr>
<tr>
<td>5315 Animal Science</td>
</tr>
<tr>
<td>5330 Entrepreneurship</td>
</tr>
<tr>
<td>5332 Business Law</td>
</tr>
<tr>
<td>5333 Advertising (.5 credit)</td>
</tr>
<tr>
<td>5335 Sports &amp; Ent. Marketing (.5 credit)</td>
</tr>
<tr>
<td>5336 Food Science</td>
</tr>
<tr>
<td>5338 Food Science I</td>
</tr>
<tr>
<td>5340 Fundamentals of Real Estate</td>
</tr>
<tr>
<td>5342 Career Prep II</td>
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</tbody>
</table>

### AV Tech & Communication

<table>
<thead>
<tr>
<th>ENDORSEMENT PATHWAYS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5210 Prin. Arts, AV Tech &amp; Comm.</td>
</tr>
<tr>
<td>5211 Audio/Video Production I</td>
</tr>
<tr>
<td>5212 Audio/Video Production II</td>
</tr>
<tr>
<td>5213 Practicum Audio/Video Production</td>
</tr>
<tr>
<td>5351 Digital Media</td>
</tr>
<tr>
<td>5332 Accounting I</td>
</tr>
<tr>
<td>5333 Business Management</td>
</tr>
<tr>
<td>5334 Career Prep I</td>
</tr>
<tr>
<td>5336 Food Science</td>
</tr>
<tr>
<td>5338 Food Science I</td>
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<tr>
<td>5330 Money Matters</td>
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<tr>
<td>5341 Career Prep I</td>
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</table>

### Financial Management & Accounting

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>5310 Prin. Business Marketing &amp; Finance</td>
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<tr>
<td>5331 Business Management</td>
</tr>
<tr>
<td>5334 Career Prep I</td>
</tr>
<tr>
<td>5336 Food Science</td>
</tr>
<tr>
<td>5338 Food Science I</td>
</tr>
<tr>
<td>5330 Money Matters</td>
</tr>
<tr>
<td>5341 Career Prep I</td>
</tr>
</tbody>
</table>

### Multidisciplinary

- * 4 credits in each of the four foundation subject areas (including English IV and Chemistry and/or Physics).
- * 4 AP courses to include one credit in each of the four foundation subjects.
- * 4 Advanced Courses from within one endorsement area that are not in coherent sequence.

Courses in **bold text** are recommended pathway courses but can be modified. Check with your counselor regarding course availability at your campus.
<table>
<thead>
<tr>
<th>Public Services</th>
<th>Health Science</th>
<th>MCJROTC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education Training</td>
<td>5510 Principles of Health Science</td>
<td>5621 MCJROTC I</td>
</tr>
<tr>
<td>5420 Principles of Education</td>
<td>5513 Health Science Theory</td>
<td>5622 MCJROTC II</td>
</tr>
<tr>
<td>5421 Human Growth and Dev</td>
<td>5512 Anatomy and Physiology</td>
<td>5623 MCJROTC III</td>
</tr>
<tr>
<td>5422 Instructional Prac in Edu</td>
<td>5514 Pharmacology</td>
<td>5624 MCJROTC IV</td>
</tr>
<tr>
<td>5423 Practicum in Education</td>
<td>5515 Pathophysiology</td>
<td>5632 MCJROTC Drill II</td>
</tr>
<tr>
<td>5424 Peer Coaching For Students</td>
<td>5516 Pract. in Health Sci -Certified Clinical Med</td>
<td>5633 MCJROTC Drill III</td>
</tr>
<tr>
<td>5341 Career Preparation I</td>
<td>5517 Pract. in Health Sci -CNA</td>
<td>5634 MCJROTC Drill IV</td>
</tr>
<tr>
<td>5342 Career Preparation II</td>
<td>5518 Pract. in Health-Pharmacy Technician</td>
<td>5641 MCJROTC Student Leadership - Juniors</td>
</tr>
<tr>
<td>Human Services Interior &amp; Fashion</td>
<td>5614 Forensic Science</td>
<td>5642 MCJROTC Student Leadership - Seniors</td>
</tr>
<tr>
<td>5410 Principles of Human Services</td>
<td>5125 Vet Field Experience</td>
<td>5643 MCJROTC Command Development</td>
</tr>
<tr>
<td>5430 Architecture and Construction</td>
<td>5126 Forensic Science</td>
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</tr>
<tr>
<td>5441 Fashion Design I</td>
<td>5127 Court Systems and Practices</td>
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</tr>
<tr>
<td>5442 Fashion Design II</td>
<td>5128 Business Law</td>
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<tr>
<td>5443 Principles of Floral Design I</td>
<td>5129 Criminal Justice</td>
<td></td>
</tr>
<tr>
<td>5444 Floral Design II</td>
<td>5130 Business Law</td>
<td></td>
</tr>
<tr>
<td>5445 Digital and Interactive Media</td>
<td>5131 Business Law</td>
<td></td>
</tr>
<tr>
<td>5446 Cosmetology I</td>
<td>5132 Business Law</td>
<td></td>
</tr>
<tr>
<td>5447 Cosmetology II</td>
<td>5133 Business Law</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Arts &amp; Humanities</th>
<th>Choir (W)</th>
<th>STEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>4390 Bel Canto Choir</td>
<td>Project Lead The Way Engineering</td>
</tr>
<tr>
<td>4511 Art I</td>
<td>4301-4304 A Capella Selected Women I-IV</td>
<td>5601 PLTW - Intro To Engineering Design</td>
</tr>
<tr>
<td>4522 Art II Intro to Drawing</td>
<td>4321-4324 Concert Women I-V</td>
<td>5602 PLTW - Civil Engineering and Architectural Design</td>
</tr>
<tr>
<td>4532 Art II Intro to Painting</td>
<td>4331-4334 Varsity Choral Women I-V</td>
<td>5603 PLTW - Aerospace Engineering</td>
</tr>
<tr>
<td>4542 Art II Sculpture/Mixed Media</td>
<td>4341-4344 Jazz Show Choir I</td>
<td>5604 PLTW - Digital Electronics</td>
</tr>
<tr>
<td>4552 Art II Intro to Ceramics</td>
<td>4351-4352 Jazz Show Choir II</td>
<td>5605 PLTW - Principles of Engineering</td>
</tr>
<tr>
<td>4563 Art III Intermediate Drawing</td>
<td>4361-4364 Madrigals/Chamber Ensemble I-V</td>
<td>5606 PLTW - Engineering Design and Dev.</td>
</tr>
<tr>
<td>4573 Art III Intermediate Piano</td>
<td>4371-4374 Madrigals/Chamber Ensemble II-V</td>
<td>5607 Intro to Robotics and Automation</td>
</tr>
<tr>
<td>4583 Art III Intermediate Ceramics</td>
<td>4381-4384 Madrigals/Chamber Ensemble III-V</td>
<td>5608 Scientific Research &amp; Design Adv Robotics</td>
</tr>
<tr>
<td>4593 AP Studio Art-Design Portfolio</td>
<td>4391-4394 Madrigals/Chamber Ensemble IV-V</td>
<td></td>
</tr>
<tr>
<td>4564 Art IV Upper Level Drawing</td>
<td>4401-4404 Theatre Arts I-V</td>
<td></td>
</tr>
<tr>
<td>4574 Art IV Upper Level Drawing</td>
<td>4411-4414 Tech Theatre I-V</td>
<td></td>
</tr>
<tr>
<td>4584 Art IV Upper Level Ceramics</td>
<td>4421-4423 Theatre Productions</td>
<td></td>
</tr>
</tbody>
</table>

| Band | 4621-4624 Dance Team I-V | Project Lead The Way Computer Science |
| Band I | 4611-4614 Dance I-V | 5611 PLTW - Comp Sci Principles |
| Band II | 4631-4633 Dance Productions I-III | 5612 PLTW - Comp Sci Apps (AP Comp Sci) |
| Band III | 4651-4654 Dance Productions I-IV | 5613 PLTW - Cybersecurity |
| Band IV | 4671-4674 Dance Productions I-V | 5614 Practicum in STEM: Cybersecurity |

| Theatre Arts | 4401-4404 Theatre Arts I-V | |
| 4601-4601 Musical Theatre I-V | |

<table>
<thead>
<tr>
<th>Social Studies</th>
<th>LOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four levels of the same language other than English</td>
<td></td>
</tr>
<tr>
<td>Two levels of two languages other than English</td>
<td></td>
</tr>
</tbody>
</table>

Courses in **bold text** are recommended pathway courses but can be modified.
Check with your counselor regarding course availability at your campus.
ACADEMIC COURSE GUIDE

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

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 & 1325
  - Dual Credit Statistics (.5)

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)

- Year 1 (French, Spanish)
- Year 2 (French, Spanish)

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 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

Technology Application (1 credit)

- Business Information Management (BIM)

Electives (6 credits to include courses for the Endorsement Pathway)
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.

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.

<table>
<thead>
<tr>
<th>Credits Earned</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 – 25½ and 4th year in high school</td>
<td>Senior</td>
</tr>
<tr>
<td>13 – 17½ and 3rd year in high school</td>
<td>Junior</td>
</tr>
<tr>
<td>6 – 12½ and 2nd year in high school</td>
<td>Sophomore</td>
</tr>
<tr>
<td>0 – 5½</td>
<td>Freshman</td>
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</table>

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.

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**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

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**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
- English 2332/2311
- College Algebra 1314
- Math for Business & Social Science 1324
- Statistics 1342
- Calculus for Business & Social Sci. 1325
- US History 1301/1302
- Federal Government 2305
- Texas Government 2306
- Macroeconomics 2301
- Microeconomics 2302
- Psychology 2301
- Sociology 1301
- Spanish 1411/1412
- Spanish 2311/2312
- Criminal Justice 1301/1307

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.
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.
- Students may qualify to take 9 hours of credit per semester with approval of both MISD & Lone Star dual credit coordinators.
- 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.

<table>
<thead>
<tr>
<th>ADVANCED PLACEMENT VS. DUAL CREDIT CHART</th>
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<tr>
<td>Advanced Placement (AP)</td>
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<td><strong>Description</strong></td>
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<td><strong>Teachers/Instruction</strong></td>
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<tr>
<td><strong>College/University Acceptance</strong></td>
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<tr>
<td><strong>Location</strong></td>
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</table>
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 student 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.

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.

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

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.
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; and grades earned prior to grade 9 for high school credits.

<table>
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<tr>
<th>GRADE POINT SYSTEM</th>
<th>GRADE</th>
<th>MODIFIED*</th>
<th>LEVEL†</th>
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</tbody>
</table>

* 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.

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.

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**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.

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

### 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
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 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*.

<table>
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<tr>
<th>ACT Score</th>
<th>SAT Score</th>
<th>TSI Score</th>
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<tbody>
<tr>
<td>English: 18*</td>
<td>EBRW 480</td>
<td>Writing: 340 with 4 on essay**</td>
</tr>
<tr>
<td>Reading: 22</td>
<td>-</td>
<td>Reading: 351-390</td>
</tr>
<tr>
<td>Mathematics: 22</td>
<td>Math 530</td>
<td>Mathematics: 350-390</td>
</tr>
<tr>
<td>Science: 23</td>
<td>-</td>
<td>-</td>
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</table>

*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

<table>
<thead>
<tr>
<th>Division I academic eligibility</th>
<th>Division II Academic Eligibility If you enroll BEFORE August 1, 2018</th>
<th>Division II Academic Eligibility If you enroll AFTER August 1, 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>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:</td>
<td>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:</td>
<td>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:</td>
</tr>
</tbody>
</table>
| 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 | 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 | 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 2.3 GPA in your core courses. | Earn at least a 2.0 GPA in your core courses. | 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 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. | 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. | 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.legibilitycenter.org
# Course Selection Guide Catalog

**Table of Contents 2019-2020**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGLISH LANGUAGE ARTS</td>
<td>22</td>
</tr>
<tr>
<td>MATHEMATICS</td>
<td>26</td>
</tr>
<tr>
<td>SCIENCE</td>
<td>28</td>
</tr>
<tr>
<td>SOCIAL STUDIES</td>
<td>30</td>
</tr>
<tr>
<td>LOCAL COURSES</td>
<td>34</td>
</tr>
<tr>
<td>ATHLETICS PROGRAM</td>
<td>35</td>
</tr>
<tr>
<td>PHYSICAL EDUCATION</td>
<td>36</td>
</tr>
<tr>
<td>LANGUAGES OTHER THAN ENGLISH</td>
<td>37</td>
</tr>
<tr>
<td>FINE ARTS</td>
<td>39</td>
</tr>
<tr>
<td>CAREER AND TECHNICAL EDUCATION</td>
<td>45</td>
</tr>
</tbody>
</table>
0511 English I
Term: Year Credit: 1 Grade Level: 9-12
Prerequisite - 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
Term: Year Credit: 1 Grade Level: 9-10
Prerequisite - 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
Term: Year Credit: 1 Grade Level: 10-12
Prerequisite - English I
Course Description: See course description for English I.
Credit Type: English State Credit

0522 Advanced English II
Term: Year Credit: 1 Grade Level: 9-10
Prerequisite - 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
Term: Year Credit: 1 Grade Level: 11-12
Prerequisite - English II
Course Description: See course description for English II.

0532 AP Language and Composition
Term: Year Credit: 1 Grade Level: 11
Prerequisite - 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 on page 9.
Credit Type: English State Credit

0533 Dual Credit English III (Eng 1301/1302 for Juniors)
Term: Year Credit: 1 Grade Level: 11
Prerequisite - 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)
Term: Year Credit: 1 Grade Level: 12
Prerequisite - 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 is non-weighted in the GPA. This course can only be taken as a 4th English credit.
Credit Type: English State Credit

0541 English IV
Term: Year Credit: 1 Grade Level: 12
Prerequisite - English III
Course Description: See course description for English I.
Credit Type: English State Credit
0542 AP Literature and Composition
Term: Year Credit: 1 Grade Level: 12
Prerequisite - 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 on page 9.
Credit Type: English State Credit

0543 Dual Credit English IV (Eng 1301/1302 for Seniors)
Term: Year Credit: 1 Grade Level: 12
Prerequisite - 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 2332/2311)
Term: Year Credit: 1 Grade Level: 12
Prerequisite - 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 2311 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
Term: Year Credit: 1 Grade Level: 12
Prerequisite - 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
Term: Year Credit: 1 Grade Level: 12
Prerequisite - English I, English II, English III
Course Description: Gothic Literature is designed for students 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

0550 Research and Technical Writing
Term: Year Credit: 1 Grade Level: 12
Prerequisite - 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
Term: Year Credit: 1 Grade Level: 9-12
Prerequisite - 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
Term: Year Credit: 1 Grade Level: 9-12
Prerequisite - LPAC Decision
Course Description: See course description for English I For Speakers of Other Languages.
Credit Type: English State Credit

0553 Practical Writing Skills
Term: Year Credit: 1 Grade Level: 12
Prerequisite - 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
Term: Year Credit: 1 Grade Level: 12
Prerequisite - 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

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**0555 Bible Literature and History**

**Term:** Year  
**Credit:** 1  
**Grade Level:** 12

**Prerequisite:** 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

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**0561 Professional Communication**

**Term:** Semester  
**Credit:** 0.5  
**Grade Level:** 9-12

**Prerequisite:** 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. This course is a part of the CTE pathways.

**Credit Type:** State Elective Credit

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**0562 Student Leadership**

**Term:** Year  
**Credit:** 1  
**Grade Level:** 10-12

**Prerequisite:** Admissions Committee Approval

**Course Description:** This course is designed for class officers and student council committee chairman. In order to enroll in this course, students must have served a minimum of one year in student council and/or be an elected class officer in grades 10-12, 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

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**0571 Debate I**

**Term:** Year  
**Credit:** 1  
**Grade Level:** 9-12

**Prerequisite:** Admissions Committee Approval

**Course Description:** This is a competition course. Students are required to attend a 1-week boot-camp at MHS in August, as well as attend after school practices. Failure to attend the camp will result in removal from the course. Students are required to attend a minimum of eight tournaments on weekends, including a minimum of 2 tournaments in each of the first 4 grading periods. The course is research and speaking intensive, and as a paperless course, students MUST have 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. This course take the place of Professional Communications for graduation requirements.

**Credit Type:** State Elective Credit

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**0572 Advanced Debate II**

**Term:** Year  
**Credit:** 1  
**Grade Level:** 10-12

**Prerequisite:** 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

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**0573 Advanced Debate III**

**Term:** Year  
**Credit:** 1  
**Grade Level:** 11-12

**Prerequisite:** 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

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**0574 Independent Study In Speech / Debate IV Advanced**

**Term:** Year  
**Credit:** 1  
**Grade Level:** 12

**Prerequisite:** 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

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**0580 Journalism**

**Term:** Year  
**Credit:** 1  
**Grade Level:** 9-12

**Prerequisite:** 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.
Yearbook I

Term: Year  Credit: 1  Grade Level: 10-12
Prerequisite - 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

Yearbook II

Term: Year  Credit: 1  Grade Level: 11-12
Prerequisite - Yearbook I/Admissions Committee Approval
Course Description: This course involves 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

Yearbook III

Term: Year  Credit: 1  Grade Level: 12
Prerequisite - Yearbook I and II/Admissions Committee Approval
Course Description: See course description for Yearbook II.
Credit Type: State Elective Credit

Independent Study / Yearbook

Term: Year  Credit: 1  Grade Level: 12
Prerequisite - 2 Years of Yearbook/Admissions Committee Approval
Course Description: See course description for Yearbook II.
Credit Type: State Elective Credit

Newspaper I

Term: Year  Credit: 1  Grade Level: 10-12
Prerequisite - 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

Newspaper II

Term: Year  Credit: 1  Grade Level: 11-12
Prerequisite - 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
Mathematics

0623 Reading III
Term: Year Credit: 1 Grade Level: 9-12
Prerequisite - Reading II
Course Description: See course description for Reading I.
Credit Type: State Elective Credit

0624 Reading IV
Term: Year Credit: 1 Grade Level: 9-12
Prerequisite - Reading III
Course Description: See course description for Reading I.
Credit Type: State Elective Credit; Reading IV is a local credit only

1011 Algebra I
Term: Year Credit: 1 Grade Level: 9-12
Prerequisite - 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
Term: Year Credit: 1 Grade Level: 9
Prerequisite - 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
Term: Year Credit: 1 Grade Level: 9-12
Prerequisite - 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
Term: Year Credit: 1 Grade Level: 9-10
Prerequisite - 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)
Term: Year Credit: 1 Grade Level: 11-12
Prerequisite - 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
Term: Year Credit: 1 Grade Level: 11-12
Prerequisite - 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
Term: Year Credit: 1 Grade Level: 10-12
Prerequisite - 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

<table>
<thead>
<tr>
<th>Term: Year</th>
<th>Credit: 1</th>
<th>Grade Level: 10-11</th>
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</thead>
</table>

**Prerequisite:** Algebra I, Geometry or Advanced Geometry / Suggested grade of 85 of 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)

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<thead>
<tr>
<th>Term: Year</th>
<th>Credit: 1</th>
<th>Grade Level: 12</th>
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</table>

**Prerequisite:** 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 is not weighted in the GPA.

**Credit Type:** Math State Credit

### 1061 Pre-Calculus

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<tr>
<th>Term: Year</th>
<th>Credit: 1</th>
<th>Grade Level: 11-12</th>
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</table>

**Prerequisite:** 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

<table>
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<tr>
<th>Term: Year</th>
<th>Credit: 1</th>
<th>Grade Level: 11-12</th>
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</thead>
</table>

**Prerequisite:** 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 mathematical 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

<table>
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<tr>
<th>Term: Year</th>
<th>Credit: 1</th>
<th>Grade Level: 12</th>
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</thead>
</table>

**Prerequisite:** 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 on page 9.

**Credit Type:** Math State Credit

### 1071 AP Statistics

<table>
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<tr>
<th>Term: Year</th>
<th>Credit: 1</th>
<th>Grade Level: 11-12</th>
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</thead>
</table>

**Prerequisite:** 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 on page 9.

**Credit Type:** Math State Credit

### 1081 Engineering Mathematics

<table>
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<tr>
<th>Term: Year</th>
<th>Credit: 1</th>
<th>Grade Level: 11-12</th>
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</thead>
</table>

**Prerequisite:** 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,
1100 College Readiness Mathematics (Intermediate Algebra Dual Credit)
Term: Year Credit: 1 Grade Level: 12
Prerequisite - 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 is not weighted in the GPA.
Credit Type: Math State Credit

1101 Dual Credit College Algebra
Term: Semester Credit: 0.5 Grade Level: 11-12
Prerequisite - 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
Term: Semester Credit: 0.5 Grade Level: 11-12
Prerequisite - 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
Term: Semester Credit: 0.5 Grade Level: 11-12
Prerequisite - 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
Term: Semester Credit: 0.5 Grade Level: 11-12
Prerequisite - 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

1511 Integrated Physics and Chemistry
Term: Year Credit: 1 Grade Level: 10
Prerequisite - 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
Term: Year Credit: 1 Grade Level: 9-12
Prerequisite - 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
Term: Year Credit: 1 Grade Level: 9-12
Prerequisite - 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Term</th>
<th>Grade Level</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1541 Physics</td>
<td>This course is available. See AP criteria on page 9.</td>
<td>Year</td>
<td>10-12</td>
<td>1</td>
</tr>
<tr>
<td>1542 AP Physics I</td>
<td>This course is available. See AP criteria on page 9.</td>
<td>Year</td>
<td>10-12</td>
<td>1</td>
</tr>
<tr>
<td>1543 AP Physics II</td>
<td>This course is available. See AP criteria on page 9.</td>
<td>Year</td>
<td>11-12</td>
<td>1</td>
</tr>
<tr>
<td>1551 Anatomy and Physiology</td>
<td>This course is available. See AP criteria on page 9.</td>
<td>Year</td>
<td>11-12</td>
<td>1</td>
</tr>
<tr>
<td>1561 Environmental Systems</td>
<td>This course is available. See AP criteria on page 9.</td>
<td>Year</td>
<td>11-12</td>
<td>1</td>
</tr>
</tbody>
</table>
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

Term: Year  Credit: 1  Grade Level: 11-12

Prerequisite: 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-select out of this course during the school year as no equivalent level course is available. See AP criteria on page 9. Expected cost to student for this course: $45.

Credit Type: Science State Credit or State Elective Credit

5614 Forensic Science

Term: Year  Credit: 1  Grade Level: 11-12

Prerequisite: Biology and one other Science credit in IPC, Chemistry, Physics, or Anatomy & Physiology

Course Description: In this course 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

1571 Aquatic Science

Term: Year  Credit: 1  Grade Level: 11-12

Prerequisite: 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

Term: Year  Credit: 1  Grade Level: 11-12

Prerequisite: 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 in Pathophysiology study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology.

Credit Type: Science State Credit

5515 Pathophysiology

Term: Year  Credit: 1  Grade Level: 11-12

Prerequisite: Biology and Chemistry or Physics

Course Description: In Pathophysiology, students conduct laboratory and field investigations, use scientific methods during investigations, and

Credit Type: Science State Credit

2011 World Geography Studies

Term: Year  Credit: 1  Grade Level: 9

Prerequisite: 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

Term: Year  Credit: 1  Grade Level: 9

Prerequisite: 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

Term: Year  Credit: 1  Grade Level: 9-12

Credit Type: Social Studies State Credit
Term: 2024  AP European History
Credit Type: AP/DC weighting in the GPA. See AP criteria on page 9.

Class Title: AP European History
Grade Level: 11-12
Prerequisite: None

Course Description: The AP European History course focuses on the socio-cultural, political, religious, intellectual, artistic, technological and economic developments in Europe from 1450 to 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. See AP criteria on page 9.
Credit Type: Social Studies State Credit

Date: 2019-2020
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 on page 9.
Credit Type: Social Studies State Credit

### 2044 Dual Credit Government

<table>
<thead>
<tr>
<th>Term</th>
<th>Credit</th>
<th>Grade Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester</td>
<td>0.5</td>
<td>12</td>
</tr>
</tbody>
</table>

Prerequisite - 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

<table>
<thead>
<tr>
<th>Term</th>
<th>Credit</th>
<th>Grade Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester</td>
<td>0.5</td>
<td>12</td>
</tr>
</tbody>
</table>

Prerequisite - 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

<table>
<thead>
<tr>
<th>Term</th>
<th>Credit</th>
<th>Grade Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester</td>
<td>0.5</td>
<td>12</td>
</tr>
</tbody>
</table>

Prerequisite - 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

<table>
<thead>
<tr>
<th>Term</th>
<th>Credit</th>
<th>Grade Level</th>
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</thead>
<tbody>
<tr>
<td>Semester</td>
<td>0.5</td>
<td>12</td>
</tr>
</tbody>
</table>

Prerequisite - 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 on page 9.
Credit Type: State Elective Credit

### 2054 Dual Credit Macroeconomics

<table>
<thead>
<tr>
<th>Term</th>
<th>Credit</th>
<th>Grade Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester</td>
<td>0.5</td>
<td>12</td>
</tr>
</tbody>
</table>

Prerequisite - 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

<table>
<thead>
<tr>
<th>Term</th>
<th>Credit</th>
<th>Grade Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester</td>
<td>0.5</td>
<td>12</td>
</tr>
</tbody>
</table>

Prerequisite - 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

<table>
<thead>
<tr>
<th>Term</th>
<th>Credit</th>
<th>Grade Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester</td>
<td>0.5</td>
<td>10-12</td>
</tr>
</tbody>
</table>

Prerequisite - 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: Social Studies State Credit

### 2062 AP Psychology

<table>
<thead>
<tr>
<th>Term</th>
<th>Credit</th>
<th>Grade Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester</td>
<td>0.5</td>
<td>10-12</td>
</tr>
</tbody>
</table>

Prerequisite - 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 on page 9.

Credit Type: State Elective Credit

2063 Dual Credit Psychology
Term: Semester Credit: 0.5 Grade Level: 11-12
Prerequisite - 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
Term: Semester Credit: 0.5 Grade Level: 10-12
Prerequisite - 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
Term: Semester Credit: 0.5 Grade Level: 11-12
Prerequisite - 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
Term: Year Credit: 1 Grade Level: 9-12
Prerequisite - 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
4911  Lead Worthy
Term:  Semester  Credit:  0.5  Grade Level:  9-12
Prerequisite - 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

4910  Driver Education
Term:  Semester  Credit:  0.5  Grade Level:  9-12
Prerequisite - 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

4913  GT Independent Study
Term:  Semester  Credit:  1  Grade Level:  10-12
Prerequisite - 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
Term:  Semester  Credit:  0.5  Grade Level:  9-10

6602  Study Skills II
Term:  Semester  Credit:  1  Grade Level:  10-12
Prerequisite - 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

6630  College Readiness and Study Skills
Term:  Semester  Credit:  0.5  Grade Level:  9-12
Prerequisite - 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

6631  ACT Test Prep
Term:  Semester  Credit:  0.5  Grade Level:  11-12
Prerequisite - 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
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.

<table>
<thead>
<tr>
<th>MHS ATHLETICS PROGRAMS</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sport</strong></td>
<td><strong>9</strong></td>
</tr>
<tr>
<td>Football</td>
<td>3011</td>
</tr>
<tr>
<td>Volleyball</td>
<td>3201</td>
</tr>
<tr>
<td>Basketball (Boys)</td>
<td>3021</td>
</tr>
<tr>
<td>Basketball (Girls)</td>
<td>3211</td>
</tr>
<tr>
<td>Soccer (Boys)</td>
<td>3031</td>
</tr>
<tr>
<td>Soccer (Girls)</td>
<td>3221</td>
</tr>
<tr>
<td>Baseball</td>
<td>3041</td>
</tr>
<tr>
<td>Softball</td>
<td>3231</td>
</tr>
<tr>
<td>Track (Boys)</td>
<td>-</td>
</tr>
<tr>
<td>Track (Girls)</td>
<td>3241</td>
</tr>
<tr>
<td>X-Country</td>
<td>3061</td>
</tr>
<tr>
<td>Swim</td>
<td>3071</td>
</tr>
<tr>
<td>Tennis</td>
<td>3081</td>
</tr>
<tr>
<td>Golf</td>
<td>3091</td>
</tr>
</tbody>
</table>
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).

<table>
<thead>
<tr>
<th>Course Name and Number</th>
<th>Prerequisite</th>
<th>Credit</th>
<th>Grade Level</th>
<th>Term</th>
<th>PEIMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>9TH GRADE PHYSICAL EDUCATION 1 - 3000</td>
<td>None</td>
<td>0.5</td>
<td>9</td>
<td>Semester</td>
<td>PES00052</td>
</tr>
<tr>
<td>9TH GRADE PHYSICAL EDUCATION 2 - 3001</td>
<td>None</td>
<td>0.5</td>
<td>9</td>
<td>Semester</td>
<td>PES00000</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Name and Number</th>
<th>Prerequisite</th>
<th>Credit</th>
<th>Grade Level</th>
<th>Term</th>
<th>PEIMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>10TH GRADE PHYSICAL EDUCATION 1 – 3002</td>
<td>None</td>
<td>0.5</td>
<td>10</td>
<td>Semester</td>
<td>PES00001</td>
</tr>
<tr>
<td>10TH GRADE PHYSICAL EDUCATION 2 - 3003</td>
<td>None</td>
<td>0.5</td>
<td>10</td>
<td>Semester</td>
<td>PES00001</td>
</tr>
<tr>
<td>11TH GRADE PHYSICAL EDUCATION 1 - 3004</td>
<td>None</td>
<td>0.5</td>
<td>11</td>
<td>Semester</td>
<td>PES00002</td>
</tr>
<tr>
<td>11TH GRADE PHYSICAL EDUCATION 2 - 3005</td>
<td>None</td>
<td>0.5</td>
<td>11</td>
<td>Semester</td>
<td>PES00002</td>
</tr>
<tr>
<td>12TH GRADE PHYSICAL EDUCATION 1 - 3006</td>
<td>None</td>
<td>0.5</td>
<td>12</td>
<td>Semester</td>
<td>PES00003</td>
</tr>
<tr>
<td>12TH GRADE PHYSICAL EDUCATION 2 - 3007</td>
<td>None</td>
<td>0.5</td>
<td>12</td>
<td>Semester</td>
<td>PES00003</td>
</tr>
</tbody>
</table>

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

**Term:** Year  |  **Credit:** 1  |  **Grade Level:** 9-12  
**Prerequisite:** 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

**Term:** Year  |  **Credit:** 1  |  **Grade Level:** 9-12  
**Prerequisite:** 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

**Term:** Year  |  **Credit:** 1  |  **Grade Level:** 9-12  
**Prerequisite:** 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

**Term:** Year  |  **Credit:** 1  |  **Grade Level:** 9-12  
**Prerequisite:** 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

**Term:** Year  |  **Credit:** 1  |  **Grade Level:** 9-12  
**Prerequisite:** 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

**Term:** Year  |  **Credit:** 1  |  **Grade Level:** 9-12  
**Prerequisite:** 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

**Term:** Year  |  **Credit:** 1  |  **Grade Level:** 10-12  
**Prerequisite:** 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

**Term:** Year  |  **Credit:** 1  |  **Grade Level:** 11-12  
**Prerequisite:** 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

**Term:** Year  |  **Credit:** 1  |  **Grade Level:** 12  
**Prerequisite:** Completed application and Athletic Trainer’s Approval  
**Course Description:** See course description for Athletic Training I.  
**Credit Type:** Physical Education State Credit

### 5511 Health

**Term:** Semester  |  **Credit:** 0.5  |  **Grade Level:** 9-12  
**Prerequisite:** 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

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**Languages Other Than English**

### 4011 Spanish I

**Term:** Year  |  **Credit:** 1  |  **Grade Level:** 9-12  
**Prerequisite:** 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
Term: Year  Credit: 1  Grade Level: 9-12
Prerequisite - 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 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
Term: Year  Credit: 1  Grade Level: 9-12
Prerequisite - 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. 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
Term: Year  Credit: 1  Grade Level: 10-12
Prerequisite - 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
Term: Year  Credit: 1  Grade Level: 10-12
Prerequisite - 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

4041 Spanish IV
Term: Year  Credit: 1  Grade Level: 11-12
Prerequisite - 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.
This course receives AP/DC weighting in the GPA.
Credit Type: Foreign Language State Credit

4042 AP Spanish Language
Term: Year  Credit: 1  Grade Level: 11-12
Prerequisite - 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 Spanish 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 on page 9.
Credit Type: Foreign Language State Credit

4043 Dual Credit Intermediate Spanish I / Dual Credit Intermediate Spanish II
Term: Year  Credit: 1  Grade Level: 11-12
Prerequisite - 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
4111 French I
Term: Year Credit: 1 Grade Level: 9-12
Prerequisite - None
Course Description: Understanding, speaking, reading, and writing beginning French using TPRS methodology. Includes culture of French-speaking peoples.
Credit Type: Foreign Language State Credit

4121 French II
Term: Year Credit: 1 Grade Level: 10-12
Prerequisite - French I
Course Description: Emphasis is placed upon the extension of speaking, reading and writing of the skills learned in French I. Includes culture of French speaking peoples.
Credit Type: Foreign Language State Credit

4122 Advanced French II
Term: Year Credit: 1 Grade Level: 10-12
Prerequisite - French I with minimum final grade of 90 recommended
Course Description: Extension of speaking, reading and writing of the skills learned in French II for students who excel in the French language. Includes culture of French speaking peoples.
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

4131 Advanced French III
Term: Year Credit: 1 Grade Level: 11-12
Prerequisite - French II/Admissions Committee Approval/See Advanced Criteria
Course Description: French III students formalize the study of grammar, with the addition of “argot,” or common slang. The study of francophone literature begins in earnest. Students may research the Internet for French language / culture sites and/or prepare web pages of their own.
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.
Credit Type: Foreign Language State Credit

4141 Advanced French IV
Term: Year Credit: 1 Grade Level: 11-12
Prerequisite - French III/Admissions Committee Approval/See Advanced Criteria
Course Description: Besides practicing advanced grammar constructions, students will be introduced to readings in French literature as a source for new vocabulary, subjects for conversation and topics for 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. Students may not self-elect out of this course during the school year as no equivalent level course is available.
Credit Type: Foreign Language State Credit

4142 AP French Language

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4201 Band I
Term: Year Credit: 1 Grade Level: 9-12
Prerequisite - 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
Term: Year Credit: 1 Grade Level: 10-12
Prerequisite - 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
Term: Year Credit: 1 Grade Level: 11-12
Prerequisite - Admissions Committee Approval
Course Description: See course description for Band I.
Credit Type: Fine Arts State Credit

4204 Band IV
Term: Year Credit: 1 Grade Level: 12
Prerequisite - Admissions Committee Approval
Course Description: See course description for Band I.
Credit Type: Fine Arts State Credit
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Term</th>
<th>Grade Level</th>
<th>Credit</th>
<th>Prerequisite</th>
<th>Course Description</th>
<th>Credit Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>4211</td>
<td>Band Techniques I</td>
<td>9-12</td>
<td>1</td>
<td>1</td>
<td>Admissions Committee Approval</td>
<td>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.</td>
<td>Fine Arts State Credit</td>
</tr>
<tr>
<td>4212</td>
<td>Band Techniques II</td>
<td>10-12</td>
<td>1</td>
<td>1</td>
<td>Admissions Committee Approval</td>
<td>See course description for Band Techniques I.</td>
<td>Fine Arts State Credit</td>
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<tr>
<td>4213</td>
<td>Band Techniques III</td>
<td>11-12</td>
<td>1</td>
<td>1</td>
<td>Admissions Committee Approval</td>
<td>See course description for Band Techniques I.</td>
<td>Fine Arts State Credit</td>
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<tr>
<td>4214</td>
<td>Band Techniques IV</td>
<td>12</td>
<td>1</td>
<td>1</td>
<td>Admissions Committee Approval</td>
<td>See course description for Band Techniques I.</td>
<td>Fine Arts State Credit</td>
</tr>
<tr>
<td>4221</td>
<td>Jazz Band I</td>
<td>9-12</td>
<td>1</td>
<td>1</td>
<td>Admissions Committee Approval</td>
<td>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.</td>
<td>Fine Arts State Credit</td>
</tr>
<tr>
<td>4222</td>
<td>Jazz Band II</td>
<td>10-12</td>
<td>1</td>
<td>1</td>
<td>Admissions Committee Approval</td>
<td>See course description for Jazz Band I.</td>
<td>Fine Arts State Credit</td>
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<tr>
<td>4223</td>
<td>Jazz Band III</td>
<td>11-12</td>
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<td>1</td>
<td>Admissions Committee Approval</td>
<td>See course description for Jazz Band I.</td>
<td>Fine Arts State Credit</td>
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<tr>
<td>4224</td>
<td>Jazz Band IV</td>
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<td></td>
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<td></td>
<td>See course description for Jazz Band I.</td>
<td>Fine Arts State Credit</td>
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</table>

**Montgomery ISD Course Selection Guide**

**2019-2020**
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Term</th>
<th>Credit</th>
<th>Grade Level</th>
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</thead>
<tbody>
<tr>
<td>4304</td>
<td>A Cappella Select Women IV</td>
<td>Term</td>
<td>1</td>
<td>9-12</td>
</tr>
<tr>
<td></td>
<td><strong>Prerequisite</strong> By audition only</td>
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<tr>
<td></td>
<td><strong>Course Description</strong> See course description for A Capella Select Women I</td>
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<tr>
<td>4311</td>
<td>Concert Men I</td>
<td>Term</td>
<td>1</td>
<td>9-12</td>
</tr>
<tr>
<td></td>
<td><strong>Prerequisite</strong> No audition necessary</td>
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<td></td>
<td><strong>Course Description</strong> 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.</td>
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<tr>
<td>4312</td>
<td>Concert Men II</td>
<td>Term</td>
<td>1</td>
<td>9-12</td>
</tr>
<tr>
<td></td>
<td><strong>Prerequisite</strong> No audition necessary</td>
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<tr>
<td></td>
<td><strong>Course Description</strong> See course description for Concert Men I</td>
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<tr>
<td>4313</td>
<td>Concert Men III</td>
<td>Term</td>
<td>1</td>
<td>9-12</td>
</tr>
<tr>
<td></td>
<td><strong>Prerequisite</strong> No audition necessary</td>
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<tr>
<td></td>
<td><strong>Course Description</strong> See course description for Concert Men I</td>
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<tr>
<td>4314</td>
<td>Concert Men IV</td>
<td>Term</td>
<td>1</td>
<td>9-12</td>
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<tr>
<td></td>
<td><strong>Prerequisite</strong> No audition necessary</td>
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<tr>
<td></td>
<td><strong>Course Description</strong> See course description for Concert Men I</td>
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<tr>
<td>4321</td>
<td>Concert Women I</td>
<td>Term</td>
<td>1</td>
<td>9-12</td>
</tr>
<tr>
<td></td>
<td><strong>Prerequisite</strong> By audition only</td>
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<tr>
<td></td>
<td><strong>Course Description</strong> 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.</td>
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<tr>
<td>4322</td>
<td>Concert Women II</td>
<td>Term</td>
<td>1</td>
<td>9-12</td>
</tr>
<tr>
<td></td>
<td><strong>Prerequisite</strong> By audition only</td>
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<tr>
<td></td>
<td><strong>Course Description</strong> See course description for Concert Women I</td>
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<td></td>
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<tr>
<td>4323</td>
<td>Concert Women III</td>
<td>Term</td>
<td>1</td>
<td>9-12</td>
</tr>
<tr>
<td></td>
<td><strong>Prerequisite</strong> By audition only</td>
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<tr>
<td></td>
<td><strong>Course Description</strong></td>
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</tr>
</tbody>
</table>

**Course Description:** See course description for Concert Women I

**Credit Type:** Fine Arts State Credit
Course Description: See course description for Varsity Chorale Women I  
Credit Type: Fine Arts State Credit

### 4344 Varsity Chorale Women IV

**Term:** Year  
**Credit:** 1  
**Grade Level:** 9-12

**Prerequisite:** By audition only  
**Course Description:** See course description for Varsity Chorale Women I  
**Credit Type:** Fine Arts State Credit

### 4351 Jazz Show Choir I

**Term:** Year  
**Credit:** 1  
**Grade Level:** 9-12

**Prerequisite:** 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

**Term:** Year  
**Credit:** 1  
**Grade Level:** 10-12

**Prerequisite:** 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

**Term:** Year  
**Credit:** 1  
**Grade Level:** 9-12

**Prerequisite:** 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

**Term:** Year  
**Credit:** 1  
**Grade Level:** 9-12

**Prerequisite:** 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

**Term:** Year  
**Credit:** 1  
**Grade Level:** 9-12

**Prerequisite:** 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

**Term:** Year  
**Credit:** 1  
**Grade Level:** 9-12

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**Prerequisite:** 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

**Term:** Year  
**Credit:** 1  
**Grade Level:** 9-12

**Prerequisite:** 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

**Term:** Year  
**Credit:** 1  
**Grade Level:** 10-12

**Prerequisite:** 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 on page 9.  
**Credit Type:** Fine Arts State Credit

### 4401 Theatre Arts I

**Term:** Year  
**Credit:** 1  
**Grade Level:** 9-12

**Prerequisite:** 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

**Term:** Year  
**Credit:** 1  
**Grade Level:** 10-12

**Prerequisite:** 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

**Term:** Year  
**Credit:** 1  
**Grade Level:** 11-12
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

**4422 Theatre Productions II**

**Term:** Year  
**Credit:** 1  
**Grade Level:** 11-12

**Prerequisite - Admissions Committee Approval**

**Course Description:** See course description for Theatre Productions I.

Credit Type: Fine Arts State Credit

**4423 Theatre Productions III**

**Term:** Year  
**Credit:** 1  
**Grade Level:** 12

**Prerequisite - Admissions Committee Approval**

**Course Description:** See course description for Theatre Productions I.

Credit Type: Fine Arts State Credit

**4431 Theatre Directing**

**Term:** Year  
**Credit:** 1  
**Grade Level:** 10-12

**Prerequisite - 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**

**Term:** Year  
**Credit:** 1  
**Grade Level:** 9-12

**Prerequisite - 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.

Credits: Fine Arts State Credit

**4522 Art II Intro to Drawing**

**Term:** Year  
**Credit:** 1  
**Grade Level:** 10-12

**Prerequisite - High School Art I & 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**

**Term:** Year  
**Credit:** 1  
**Grade Level:** 11-12

**Prerequisite - 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**

**Term:** Year  
**Credit:** 1  
**Grade Level:** 12

**Prerequisite - Art III Intermediate Drawing & 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
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Term</th>
<th>Credit</th>
<th>Grade Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>4552</td>
<td>Art II Intro to Ceramics</td>
<td></td>
<td>1</td>
<td>10-12</td>
</tr>
<tr>
<td></td>
<td><strong>Prerequisite:</strong> High School Art I, Art II Ceramics, &amp; Art Teacher Approval</td>
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<td></td>
<td><strong>Course Description:</strong> Introduction to ceramic processes: utilization of basic clay materials, building of clay forms. Firing, glazing, and aesthetic principles of ceramic sculpture.</td>
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<tr>
<td></td>
<td><strong>Students are required to purchase $50 in art supplies.</strong></td>
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<td><strong>Credit Type:</strong> Fine Arts State Credit</td>
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<tr>
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<th>Term</th>
<th>Credit</th>
<th>Grade Level</th>
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<tbody>
<tr>
<td>4554</td>
<td>Art IV Upper Level Ceramics</td>
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</tr>
<tr>
<td></td>
<td><strong>Prerequisite:</strong> High School Art I, Art II Ceramics, Art III Ceramics and Art Teacher Approval</td>
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<tr>
<td></td>
<td><strong>Course Description:</strong> Further study of ceramic techniques focusing on 3D portfolio development.</td>
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<tr>
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<td><strong>Students are required to purchase $50 in art supplies.</strong></td>
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<td></td>
<td><strong>Credit Type:</strong> Fine Arts State Credit</td>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Term</th>
<th>Credit</th>
<th>Grade Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>4611</td>
<td>Dance I (Non-drill team)</td>
<td></td>
<td>1</td>
<td>9-12</td>
</tr>
<tr>
<td></td>
<td><strong>Prerequisite:</strong> None</td>
<td></td>
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<tr>
<td></td>
<td><strong>Course Description:</strong> 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 &amp; black Capri pants).</td>
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<tr>
<td></td>
<td><strong>Expected cost to student for this course:</strong> $55.</td>
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<tr>
<td></td>
<td><strong>Credit Type:</strong> Fine Arts State Credit ONLY</td>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Term</th>
<th>Credit</th>
<th>Grade Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>4612</td>
<td>Dance II (Non-drill team)</td>
<td></td>
<td>1</td>
<td>10-12</td>
</tr>
<tr>
<td></td>
<td><strong>Prerequisite:</strong> Dance I or Admissions Committee Approval</td>
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<tr>
<td></td>
<td><strong>Course Description:</strong> 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.</td>
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<td><strong>Expected cost to student for this course:</strong> $75.</td>
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<td><strong>Credit Type:</strong> Fine Arts State Credit ONLY</td>
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<th>Grade Level</th>
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<tbody>
<tr>
<td>4613</td>
<td>Dance III (Non-drill team)</td>
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<td>1</td>
<td>11-12</td>
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<tr>
<td></td>
<td><strong>Prerequisite:</strong> Dance II or Admissions Committee Approval</td>
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<tr>
<td></td>
<td><strong>Course Description:</strong> Students are required to purchase $50 in art supplies.</td>
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<tr>
<td></td>
<td><strong>Credit Type:</strong> Fine Arts State Credit ONLY</td>
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</tbody>
</table>
in the art of dance and dance production skills, as well as leadership qualities.
Credit Type: Fine Arts State Credit

4632 Dance Production II
Term: Year Credit: 1 Grade Level: 11-12
Prerequisite - Drill Team Officers & Leaders
Course Description: See course description for Dance Production I.
Credit Type: Fine Arts State Credit

4633 Dance Production III
Term: Year Credit: 1 Grade Level: 12
Prerequisite - Drill Team Officers & Leaders
Course Description: See course description for Dance Production I.
Credit Type: Fine Arts State Credit

CAREER AND TECHNICAL EDUCATION

5110 Principles of Agriculture, Food and Natural Resources
Term: Year Credit: 1 Grade Level: 9-11
Prerequisite - 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
Term: Year Credit: 1 Grade Level: 10-12
Prerequisite - 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
Term: Semester Credit: 0.5 Grade Level: 10-12
Prerequisite - 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.
5122 Livestock Production
Term: Year  Credit: 1  Grade Level: 10-12
Prerequisite - 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 Animal Science
Term: Year  Credit: 1  Grade Level: 12
Prerequisite - Principles of Agriculture
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.
Credit Type: Science State Credit or State Elective Credit

5124 Small Animal Management
Term: Semester  Credit: 0.5  Grade Level: 10-12
Prerequisite - 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
Term: Year  Credit: 1  Grade Level: 11-12
Prerequisite - Principles of Agriculture or Principles of Health Science 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 Veterinary Field Experience
Term: Year  Credit: 2  Grade Level: 12
Prerequisite - 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
Term: Year  Credit: 1  Grade Level: 10-12
Prerequisite - 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
Term: Year  Credit: 1  Grade Level: 11-12
Prerequisite - 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)
Term: Year  Credit: 2  Grade Level: 11-12
Prerequisite - 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. 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 Principles of Floral Design I
Term: Year  Grade Level: 10-12
Credit: 1
Prerequisite - 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 Floral Design II
Term: Year  Grade Level: 11-12
Credit: 1
Prerequisite - Principles & Elements of Floral Design/Admissions Committee Approval
Course Description: This course is a continuation of Principles & Elements of Floral Design. 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

5143 Horticultural Science
Term: Year  Grade Level: 10-12
Credit: 1
Prerequisite - 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 Plant and Soil Science
Term: Year  Grade Level: 12
Credit: 1
Prerequisite - 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.
Credit Type: Science State Credit or State Elective Credit

5210 Principles of Arts, AV Technology and Communication
Term: Year  Grade Level: 9-11
Credit: 1
Prerequisite - 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 I
Term: Year  Grade Level: 10-12
Credit: 1
Prerequisite - 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
Term: Year  Grade Level: 11-12
Credit: 1
Prerequisite - 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
Term: Year  Grade Level: 12
Credit: 2
Prerequisite - 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
Term: Year  Grade Level: 9-11
Credit: 1
Prerequisite - 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)*
Term: Year  Grade Level: 9-11
Credit: 1
Prerequisite - 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

Page | 47
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.

*This course is required by MISD for Technology Credit.

**Credit Type:** MISD State Technology Credit

### 5312 Business Information Management II (BIM II)

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**Prerequisite:** A grade of 80 or higher in Business Information Management I.

**Course Description:** Students will create complex word-processing documents, sophisticated spreadsheets, graphics, 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 to gain a complete understanding of how banks function within society.

**Course Fee:** $35.

**Credit Type:** State Elective Credit

### 5313 Human Resource Management

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**Prerequisite:** 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

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**Prerequisite:** 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

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**Prerequisite:** 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

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**Prerequisite:** 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.

**Course Fee:** $35.

**Credit Type:** State Elective Credit

### 5322 Accounting II

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**Prerequisite:** 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

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**Prerequisite:** 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

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**Prerequisite:** 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

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**Prerequisite:** BIM I/Business Management
Term: 5333 Advertising
Credit Type: State Elective Credit
Credit: 0.5
Grade Level: 10-12
Prerequisite - 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.

Term: 5335 Sports and Entertainment Marketing
Credit Type: State Elective Credit
Credit: 0.5
Grade Level: 10-12
Prerequisite - 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.

Term: 5340 Fundamentals of Real Estate
Credit Type: State Elective Credit
Credit: 2
Grade Level: 12
Prerequisite - 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 Commiss (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.

Term: 5341 Career Preparation I
Credit Type: State Elective Credit
Credit: 3
Grade Level: 11-12
Prerequisite - 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.

Term: 5342 Career Preparation II
Credit Type: State Elective Credit
Credit: 3
Grade Level: 12
Prerequisite - 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.

Term: 5351 Digital and Interactive Media
Credit Type: MISD State Technology Credit
Credit: 1
Grade Level: 10-12
Prerequisite - 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.

Term: 5352 Web Technologies
Credit Type: MISD State Technology Credit
Credit: 1
Grade Level: 10-12
Prerequisite - 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.

Term: 5410 Principles of Human Services
Credit Type: State Elective Credit
Credit: 1
Grade Level: 9-11
Prerequisite - 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.

Term: 5420 Principles of Education and Training
Credit Type: None
Credit: 1
Grade Level: 9-11
Prerequisite - 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

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<th>Course Title</th>
<th>Term</th>
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<tbody>
<tr>
<td>5421 Human Growth and Development</td>
<td>Year</td>
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<tr>
<td><strong>Prerequisite</strong> - Principles of Education and Training</td>
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<td><strong>Course Description</strong></td>
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<td>Students will examine 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.</td>
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<td><strong>Credit Type:</strong> State Elective Credit</td>
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<tr>
<td>5422 Instructional Practices In Education and Training</td>
<td>Year</td>
<td>2</td>
<td>11-12</td>
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<td><strong>Prerequisite</strong> - Principles of Education Training, Required Paperwork Must Be Completed and Returned By Due Date/Criminal Background Check/Admissions Committee Approval</td>
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<td><strong>Course Description</strong></td>
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<td>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.</td>
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<td><strong>Course Fee:</strong> $50.</td>
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<tr>
<td>5423 Practicum In Education and Training</td>
<td>Year</td>
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<td><strong>Prerequisite</strong> - Principles of Education and Training, Instructional Practices in Education &amp; Training/Required Paperwork Must Be Completed and Returned By Due Date/Criminal Background Check/Admissions Committee Approval</td>
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<td><strong>Course Description</strong></td>
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<td>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.</td>
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<td><strong>Course Fee:</strong> $50.</td>
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<td><strong>Credit Type:</strong> State Elective Credit</td>
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<tr>
<td>5424 Peer Coaching For Students</td>
<td>Year</td>
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<td><strong>Prerequisite</strong> - A-B Average/No Discipline Concerns</td>
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<td><strong>Course Description</strong></td>
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<td>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.</td>
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<td><strong>Credit Type:</strong> Elective Local Credit</td>
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<tr>
<td>5431 Introduction to Culinary Arts</td>
<td>Year</td>
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<td><strong>Prerequisite</strong> - Principle of Human Services and/or Principles of Health Science</td>
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<td><strong>Course Description</strong></td>
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<td>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.</td>
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<td><strong>Course Fee:</strong> $50.</td>
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<tr>
<td>5432 Culinary Arts I</td>
<td>Year</td>
<td>2</td>
<td>11-12</td>
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<tr>
<td><strong>Prerequisite</strong> - Principles of Human Services and Intro to Culinary Arts/Admissions Committee Approval</td>
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<td><strong>Course Description</strong></td>
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<td>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.</td>
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<tr>
<td>5433 Culinary Arts II</td>
<td>Year</td>
<td>2</td>
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<tr>
<td><strong>Prerequisite</strong> - Intro to Culinary Arts and Culinary Arts I/Admissions Committee Approval</td>
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<td><strong>Course Description</strong></td>
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<td>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.</td>
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<tr>
<td>5441 Fashion Design I</td>
<td>Year</td>
<td>1</td>
<td>10-12</td>
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<tr>
<td><strong>Prerequisite</strong> - Principles of Human Services</td>
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<td><strong>Course Description</strong></td>
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<td>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.</td>
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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
Term: Year Credit: 2 Grade Level: 11-12
Prerequisite: 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 cost of additional supplies.
Course Fee: $100.
Credit Type: State Elective Credit

5450 Principles of Architecture and Construction
Term: Year Credit: 1 Grade Level: 10-12
Prerequisite: 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
Term: Year Credit: 1 Grade Level: 10-12
Prerequisite: 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
Term: Year Credit: 2 Grade Level: 11-12
Prerequisite: 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
Term: Year Credit: 2 Grade Level: 11-12
Prerequisite: 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
Term: Year Credit: 2 Grade Level: 12
Prerequisite: Cosmetology I
Course Description: See course description for Cosmetology I
Credit Type: State Elective Credit

5510 Principles of Health Science
Term: Year Credit: 1 Grade Level: 9-11
Prerequisite: None
Course Description: The Principles of Health Science provides an overview of human services, 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

5512 Medical Terminology
Term: Year Credit: 1 Grade Level: 9-12
Prerequisite: 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
Term: Year Credit: 1 Grade Level: 11-12
Prerequisite: 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
Term: Year Credit: 1 Grade Level: 11-12
Prerequisite: Principles of Health Science, Health Science Theory
Course Description: Pharmacology is an introduction to the pharmacy and careers in pharmaceutics. 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
Term: Year Credit: 1 Grade Level: 11-12
Prerequisite - Biology and Chemistry or Physics
Course Description: In Pathophysiology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology.
Credit Type: Science State Credit or State Elective Credit

5516 Practicum in Health Science-Certified Clinical Medical Assistant
Term: Year Credit: 2 Grade Level: 12
Prerequisite - 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. Students 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
Term: Year Credit: 2 Grade Level: 12
Prerequisite - 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. Certified Nursing Assistants play a key role as members of the comprehensive healthcare team in a variety of medical settings – CNAs are employed in hospitals, long-term care facilities, nursing homes, community care facilities and as home health aides in patient’s homes. CNAs 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. A Certified Nursing Assistant will make between $11.00- $15.00 the first year of employment.

5518 Practicum in Health Science-Pharmacy Technician
Term: Year Credit: 2 Grade Level: 12
Prerequisite - Principles of Health Science, Health Science Theory, Pharmacology, 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. A Pharmacy technician will make $9-12 dollars in a retail pharmacy. 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. 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: $130.
Credit Type: State Elective Credit

5519 Dual Credit Emergency Medical Technician (at Lone Star College - Conroe)
Term: Year Credit: 2 Grade Level: 12
Prerequisite - 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
Term: Year Credit: 1 Grade Level: 9-11
Prerequisite - 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
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
Term: Year Credit: 1 Grade Level: 9-12
Prerequisite - 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: 1. Develop informed and responsible citizens, 2. Develop leadership skills, 3. Strengthen character, 4. Help form habits of self-discipline, 5. Develop respect for, and an understanding of, the need for constituted authority in a democratic society. The program focuses on developing respect for authority and personal responsibility in the first year. The second through fourth years build on the first year by offering an opportunity to become involved in a variety of teams to include Armed & Unarmed Drill, Color Guard, Air Rifle and Orienteering. The JROTC teams reinforce the tenets taught in the classroom and are the building blocks for potential assignment to leadership roles later on in the program. Completion of JROTC offers immediate benefits (promotions) for those students choosing to enlist after high school. We also help prepare students with 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 are required to furnish a physical examination at the beginning of the year and must be able to complete the basic physical functions associated with military drill and rudimentary forms of exercise. Cadets must be able to fit into issued uniforms. Physical Education waiver can be used for both.
Course Fee: $25.
Credit Type: State Elective Credit and Physical Education Waiver

5622 MCJROTC II
Term: Year Credit: 1 Grade Level: 10-12
Prerequisite - 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: $25.
Credit Type: State Elective Credit and Physical Education Waiver

5623 MCJROTC III
Term: Year Credit: 1 Grade Level: 11-12
Prerequisite - MCJROTC II / Admissions Committee Approval
Course Description: See course description for MCJROTC II.
Course Fee: $25.
Credit Type: State Elective Credit and Physical Education Waiver
5624 MCJROTC IV  
Term: Year  Credit: 1  Grade Level: 12  
Prerequisite - MCJROTC I/Admissions Committee Approval  
Course Description: See course description for MCJROTC II.  
Course Fee: $25.  
Credit Type: State Elective Credit and Physical Education Waiver

5632 MCJROTC Drill II  
Term: Year  Credit: 1  Grade Level: 10-12  
Prerequisite - 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  
Term: Year  Credit: 1  Grade Level: 11-12  
Prerequisite - Admissions Committee Approval  
Course Description: See course description for MCJROTC Drill II.  
Credit Type: Elective Local Credit

5634 MCJROTC Drill IV  
Term: Year  Credit: 1  Grade Level: 12  
Prerequisite - Admissions Committee Approval  
Course Description: See course description for MCJROTC Drill II.  
Credit Type: Elective Local Credit

5641 MCJROTC Student Leadership - Juniors  
Term: Year  Credit: 1  Grade Level: 11  
Prerequisite - 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  
Term: Year  Credit: 1  Grade Level: 12  
Prerequisite - 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.

5643 MCJROTC Command Development  
Term: Year  Credit: 1  Grade Level: 12  
Prerequisite - 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; armony, 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  
Term: Year  Credit: 1  Grade Level: 9-10  
Prerequisite - 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  
Term: Year  Credit: 1  Grade Level: 10-12  
Prerequisite - 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  
Term: Year  Credit: 1  Grade Level: 10-12  
Prerequisite - 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

Term: Year Credit: 1 Grade Level: 10-12
Prerequisite - 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

5805 PLTW - Principles of Engineering

Term: Year Credit: 1 Grade Level: 11-12
Prerequisite - 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 Math State Credit

5806 PLTW - Engineering Design and Development (Capstone)

Term: Year Credit: 1 Grade Level: 12
Prerequisite - 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

Term: Year Credit: 1 Grade Level: 10-11
Prerequisite - 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

Term: Year Credit: 1 Grade Level: 11-12
Prerequisite - 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 - Computer Science Principles

Term: Year Credit: 1 Grade Level: 9-12
Prerequisite - 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 PLTW - Computer Science Applications (AP Computer Science)

Term: Year Credit: 1 Grade Level: 10-12
Prerequisite - 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 on page 9.
Credit Type: State Elective Credit

5813 PLTW - Cybersecurity
Term: Year Credit: 1 Grade Level: 11-12
Prerequisite - 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

Practicum in Science, Technology, Engineering, and Math: Cybersecurity
Term: Year Credit: 2 Grade Level: 12
Prerequisite - 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)
Term: Year Credit: 2 Grade Level: 11-12
Prerequisite - 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).

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)
Term: Year Credit: 2 Grade Level: 11-12
Prerequisite - 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. 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