



Miles High School
Course Guide
2024-2025

Introduction: The Course Catalog has been developed to provide important information for students and their parents. It will assist you in making wise, informed decisions concerning programs and course choices throughout your high school years.

The Miles Independent School District Course Guide lists the courses that our high school **generally** makes available to students. However, it should be noted that not all of the courses listed are scheduled every year since it is not economically feasible to schedule classes in which only a few students enroll. All course offerings are subject to change.

Discrimination Disclaimer: Miles ISD does not discriminate on the basis of race, religion, color, national origin, sex or disability in providing education or providing access to benefits of education services, activities, and programs, including career and technology programs, in accordance with Title VI of the Civil Rights Act of 1964 as amended; Title IX of the Education Amendments of 1972; Section 504 of the Rehabilitation Act of 1973, as amended, and Title II of the Americans with Disabilities Act.

Current guide found online at www.milesisd.net under Menu-Counselor's Corner-Junior High/High School.

Questions, please call the MHS office at (325)468-2861.

GRADUATION CREDIT REQUIREMENTS - FOUNDATION GRADUATION PLAN

Curriculum	Foundation Program w/End	Distinguished Level of Achievement	Endorsements*
English Language Arts	4 Credits	4 Credits	<p>A student may earn an endorsement by successfully completing curriculum requirements for endorsements adopted by the State Board of Education in the following areas:</p> <ul style="list-style-type: none"> ● Multidisciplinary ● Business and Industry ● Arts and Humanities ● Public Service ● STEM <p>Endorsement courses are to be composed of qualified sequential courses that total at least 4 credits.</p>
Mathematics	4 Credits	4 Credits *must include Alg. 2	
Science	4 Credits	4 Credits	
Social Studies	3 Credits	3 Credits	
Languages other than English	2 Credits	2 Credits	
Fine Arts	1 Credit	1 Credit	
Physical Education	1 Credit	1 Credit	
Elective Credits – End. Specific	7 Credits	7 Credits	
Total With Required Endorsement Credits	26 Credits	26 Credits	
		** Must graduate on this plan for top 10% & Automatic University Admissions	

**** Distinguished Level of Achievement:** A student MUST meet the requirements for this level of achievement to be eligible for Top 10% Automatic Admission to college. A student may earn a distinguished level of achievement by successfully completing:

- Four credits in mathematics, which MUST include Algebra II, plus;
- Four credits in science plus;
- The remaining foundation courses as required by the State Board of Education.
- The curriculum requirements for at least **one endorsement** consisting of a coherent sequence of qualified courses equaling a total 4 credits.

**** Performance Acknowledgment** may also be earned by the student by completing the requirements adopted by SBOE rule. This acknowledgment can be earned for **outstanding performance in:**

- **Dual Credit Courses** – 12 hours of college academic courses, with a grade of 3.0 or better
- **Bilingualism and Biliteracy** – demonstrate proficiency in two or more languages by:
 - **(A)** Completing all English Language Arts requirements and maintaining a minimum GPA of 80 on a scale of 100; and satisfying one of the following: Completion of a minimum of three credits in the same language other than English with a minimum GPA of 80 on a scale of 100; or demonstrated proficiency of the TEKS for Level IV or higher in a language other than English with a minimum GPA of 80 on a scale of 100; or completion of at least three credits in foundation subject area courses in a language other than English with a minimum GPA of 80 on a scale of 100; or demonstrated proficiency in one or more languages other than English through one of the following methods: * A score of 3 or higher on an AP examination for a language other than English; or * A score of 4 or higher on an International Baccalaureate examination for a higher-level language other than English course; or * Performance on a national assessment of language proficiency in a language other than English of at least Intermediate High or its equivalent.
 - **(B)** In addition to meeting the requirements of **(A)**, to earn a performance acknowledgment in bilingualism and biliteracy, an English language learner must also have: Participated in and met the exit criteria for a bilingual or ESL program; and Scored Advanced High level on TELPAS.
- **AP** – earn a score of 3 or above on an AP test
- **PSAT, SAT, or ACT** – outstanding performance by:
 1. A score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, as part of the National Hispanic Recognition Program (NHRP) of the College Board or as part of the National Achievement Scholarship Program of the National Merit Scholarship Corporation.
 2. A combined critical reading and mathematics score of at least 1250 on the SAT.
 3. A composite score on the ACT exam (without writing) of 28.
- **Earning a nationally or internationally recognized business or industry certification or license with:** Performance on an examination or series of examinations sufficient to obtain nationally or internationally recognized business or industry certification; or Performance on an examination sufficient to obtain a government-required credential to practice a profession.

MHS ENDORSEMENTS

STEM <i>Science, Technology, Engineering, & Math</i>	Business & Industry	Public Services	Arts & Humanities	Multidisciplinary Studies
<p>Students may earn a STEM endorsement by selecting and completing the requirements from among these <u>3</u> options.</p> <p>Note: Algebra II, Chemistry, and Physics are required for the STEM endorsement <u>regardless</u> of the option the student selects from below.</p> <p>Option 1: Math Students take Algebra I, Geometry, and Algebra II AND two (2) of the following courses for which Algebra II is a prerequisite.</p> <ul style="list-style-type: none"> ● Pre-Calculus ● Calculus ● College Algebra <p>Option 2: Science Students take Biology, Chemistry, and Physics, AND two (2) of the following courses.</p> <ul style="list-style-type: none"> ● Anatomy & Physiology ● Astronomy ● Environmental Systems ● Forensic Science ● Advanced Animal Science 	<p>Students may earn a Business & Industry endorsement by selecting and completing these requirements.</p> <p>Option 1: CTE Students earn four (4) credits by taking at least two (2) courses in the same cluster in one of the following areas with at least one (1) advanced (3rd year or higher course in the sequence).</p> <ul style="list-style-type: none"> ● Agriculture, Food, and Natural Resources <i>Animal Science</i> <i>Applied Agriculture</i> <i>Engineering</i> ● Hospitality and Tourism <i>Culinary Arts</i> <p>With at least one (1) advanced (3rd year or higher course in the sequence).</p>	<p>Students may earn a Public Services endorsement by selecting and completing these requirements</p> <p>Option 1: CTE Students earn four (4) credits by taking at least two (2) courses in the same career cluster in the following areas:</p> <ul style="list-style-type: none"> ● Health Science <i>Exercise Science, Wellness, and Restoration</i> ● Education and Training <i>Teaching and Training</i> <p>With at least one (1) advanced (3rd year or higher course in the sequence).</p>	<p>Students may earn an Arts & Humanities endorsement by selecting and completing the requirements from among these <u>2</u> options.</p> <p>Option 1: Fine Arts Students take four (4) courses in the same fine arts area for 4 credits</p> <p style="text-align: center;"><u>OR</u></p> <p>Students take two (2) courses in one fine arts area AND two (2) courses in a different fine arts area (two courses in each of two different fine arts areas for 4 credits).</p>	<p>Students may earn a Multidisciplinary Studies endorsement by selecting and completing the requirements from among these <u>3</u> options.</p> <p>Option 1: Four by Four (4 X 4) Students take four (4) courses in each of the four core content areas.</p> <ul style="list-style-type: none"> ● Four (4) English credits including English IV ● Four (4) math credit ● Four (4) science credits including biology and chemistry and/or physics ● Four (4) social studies credits <p>Option 2: Dual Credit Students take four (4) Dual credit courses for four (4) credits in English, math, science, social studies, foreign language, or fine arts.</p>

ACADEMIC & GENERAL INFORMATION

GRADING SYSTEM FOR GRADES 9-12:

MHS uses a weighted numerical grading system. In calculating GPA, a designated percentage is added to a student's semester average in any course designated as an "Enriched (5%)" or "Honors(10%)" course as listed in the table on the following page. Advanced courses include Dual Credit Courses, and any course designated with a * or ** in the course description guide. All other courses are considered Basic courses, and do not receive the extra points. Please be aware:

- The District shall record unweighted point scale grades on student transcripts.
- PE/Athletics, Art, and Band courses are not included in a student's GPA.
- When a student transfers credits from another district only courses MHS offers will be calculated in their GPA.

Example: Dual Credit English, Dual Credit Government, Anatomy & Physiology

<u>Course</u>	<u>Semester Grade</u>
Dual Credit Eng -	92 (+10%/9.2) = 101.2
Dual Credit Gov -	84 (+10%/8.4) = 92.4
Algebra 2 -	90 (+0) = 90
Anat & Phys -	98 (+10%/9.8) = 107.8
Band -	95(Doesn't count in GPA)
Study Hall -	100 (Doesn't count in GPA)
Athletics -	97 (Doesn't count in GPA)
Ag Fabrication	92 (+0) = 92

483.4 divided by 5 (because Athletics, Band, nor Study Hall is included) = 96.7

Honors Course Information:

The goal of the Miles High School Honors courses is to more fully develop our students for post-secondary education. Students who wish to take Honors classes need to meet the following criteria:

- Meets or Masters on the previous year's STAAR/EOC in that subject area
- Must have earned a 90 or higher cumulative average in the previous year's subject area course

*Students who do not meet the above criteria must obtain current and upcoming subject area teachers approval to be admitted into the Honors course

In addition to the subject area TEKS, students in Honors classes will be responsible for a higher rigor that includes but is not limited to the following:

1. Be taught at a faster pace.
2. Curriculum covered in greater depth.
3. The addition of ACT/SAT/TSI practice problems in the curriculum.
4. The use of portfolio projects in addition to the normal classroom assignments.
5. Other learning activities to increase rigor of the content to justify weighted ranking

Honors courses requirements must be met in order to continue in the honors program:

1. Students must maintain a minimum grade average of 75 each six weeks in the subject area's honors course.
2. If a student falls below a 75 average in any six weeks, he or she will be placed on honors probation for the remainder of the school year in that course.
3. If a student falls below a 75 average in any six weeks a second time, he or she will be removed from the honors class and rescheduled into the corresponding standard class at semester or the following school year.

REGULAR		ENRICHED-5%	HONORS-10%
+Art 1,2,3,4 Algebra 1,2 +Athletics/Physical Education +Band Biology CTE Courses Economics English 1,2,3,4 ESL 1,2 Geometry Government +Guitar Integrated Physics & Chemistry	+Professional Communications Spanish 1,2 U.S. History World Geography World History +Edgenuity Courses +Reading I	Animal Science Chemistry Food Science Forensic Science Physics	Honors Math and English Courses Anatomy & Physiology Pre-Calculus College Courses: Dual Credit Concurrent Enrollment

*Denotes courses excluded for class rank and National Honor Society.

Below are general guides that apply to most MHS students.

Students who enroll from other districts or are not on the outlined course sequence will have differing requirements.

Please have 2 ADDITIONAL options available for elective courses in case your 1st choices do not fit in your schedule

Classes	9th Grade
1	English I or Eng I Honors
2	Algebra I or Algebra I Honors
3	IPC
4	World History or World Geography on alt. years
5	Spanish II
6	PE/Athletics
7	Fine Arts (Class of 2028 must select) Choose one: Art, Band, Digital Art, or Guitar Elective (Class of 2029 and beyond)
8	CTE Pathway Course

Classes	10th Grade
1	English II or Eng II Honors
2	Geometry or Geometry Honors
3	Biology
4	World History or World Geography on alt. years
5	Business Information Management (BIM)
6	CTE Pathway Course
7	Athletics or Elective
8	Elective

Classes	11th Grade
1	English III or Eng III Honors
2	Algebra II or Algebra II Honors
3	Chemistry and/or Adv. Sci.
4	US History or US History DC 1301/1302
5	CTE Pathway Course
6	Athletics or Elective
7	Elective or Dual Credit
8	Elective

*Dual Credit: Max 6 hours per semester for 11th grade.

Classes	12th Grade
1	English IV or Eng IV DC 1301/1302
2	PreCal or ColPrepMath/Fin Lit or Col.Alg DC
3	Science: Choose one adv. science
4	Govt/Eco or Govt DC POLS 2305/2306
5	Elective or IF Govt DC then FinLit/Eco
6	CTE Pathway Course
7	Elective or Dual Credit
8	Athletics or Elective

*Dual Credit: Max 9 hours per semester for 12th grade.

Foundation Coursework

ENGLISH LANGUAGE ARTS (4 credits required)

English I - 1010

TSDS PEIMS Code: 03220100 (ENG I)

Grade Placement: 9, Credits: 1

Prerequisite: None

Students practice all forms of writing in this course. An emphasis is placed on organizing logical arguments with clearly expressed related definitions, thesis, and evidence. Students write to persuade, to report and to describe. English I students read extensively in multiple genres from world literature such as reading selected stories, dramas, novels, and poetry originally written in English or translated to English from oriental, classical Greek, European, African, South American, and North American cultures. Students interpret the possible influences of the historical context on a literary work.

****English I Honors - 1012**

TSDS PEIMS Code: 03220100 (ENG I)

Grade Placement: 9, Credits: 1

Prerequisite: Meets or Masters on 8th Grade STAAR and 90+ cumulative average in 8th grade subject area.

This course prepares students for work in the honors program by providing in-depth studies of literary units by genre, including poetry, drama, nonfiction, short stories, research, and novels. Students will engage in critical reading and will write in a variety of forms, with special emphasis on literary units by genre, including poetry, drama, nonfiction, short stories, research, and novels.

English II - 1015

TSDS PEIMS Code: 03220200 (ENG II)

Grade: 10, Credit 1.0

Prerequisite: English I

Students practice all forms of writing in this course. An emphasis is placed on persuasive forms of writing such as logical arguments, expressions of opinion, and personal forms of writing. These personal forms of writing may include a response to literature, a reflective essay, or an autobiographical narrative. English II students read extensively in multiple genres from world literature such as reading selected stories, dramas, novels, and poetry originally written in English or translated to English from oriental, classical Greek, European, African, South American, and North American cultures. Students learn literary forms and terms associated with selections being read. Students interpret the possible influences of the historical context on a literary work.

****English II Honors - 1020**

TSDS PEIMS Code: 03220200 (ENG II)

Grade: 10, Credit 1.0

Prerequisite: Meets or Masters on English I EOC 90+ cumulative average in English I

This course prepares students for work in the honors program by providing in-depth studies of thematic literary units that combine poetry, drama, nonfiction, short stories, research, and novels. Students will engage in critical reading and will write in a variety of forms, with special emphasis on literary analysis and persuasive essays.

English III - 1025

TSDS PEIMS Code: 03220300 (ENG III)

Grade: 11, Credit 1.0

Prerequisite: English II

Students practice all forms of writing in this course. An emphasis is placed on business forms of writing such as the report, the business memo, the narrative of a procedure, the summary or abstract, and the resume. English III students read extensively in multiple genres from American literature and other world literature. Periods from American literature may include the pre-colonial period, colonial and revolutionary periods, romanticism and idealism, realism and naturalism, early 20th century, and late 20th century. Students learn literary forms and terms associated with selections being read. Students interpret the possible influences of the historical context on a literary work.

****English III Honors- 1027**

Grade: 11, Credit 1.0

Prerequisite: 90+ cumulative average in English II.

This course prepares students for work in the honors program by providing in-depth studies of multiple genres from American literature and other world literature. English III Honors students will be expected to read extensively from all periods of American literature including the pre-colonial period, colonial and revolutionary periods, romanticism and idealism, realism and naturalism, early 20th century, and late 20th century. Students will engage in critical reading and will write in a variety of forms, with special emphasis on business forms of writing such as the report, the business memo, the narrative of a procedure, the summary or abstract, and the resume.

Eng IV- 1035

TSDS PEIMS Code: 03220400

Grade: 12, Credit 1.0

Prerequisite: English III

English IV provides an overview of British and World literature with an emphasis on recurring themes. Writing assignments focus on literary analysis, personal narrative, and exposition. Vocabulary study and grammar review are incorporated into the reading and writing assignments.

College Readiness English - 1038 (imbedded into English IV class)

TSDS PEIMS Code: CP110100

Grade: 12, Credit 1.0

Prerequisite: English III

College Preparatory English exists to remediate deficiencies in order that students may excel in their chosen careers. College Prep courses are designed to prepare students for college-level academic course work. The recommendation to enroll in College Prep courses is made on the basis of diagnostic testing. Although these courses do not satisfy any college degree requirement, they are designed to assure reasonable student success in the college curriculum.

****English IV DC- 1041/1042**

Grade: 12, Credit 1.0

Prerequisite: English III; college entrance requirements

ENGL 1301 Composition and Rhetoric I (3 hours college) - 1031 TSDS PEIMS Code: 03220400 (ENG 4A)

ENGL 1302 Composition and Rhetoric II (3 hours college) - 1033 TSDS PEIMS Code: 03220400 (ENG 4B)

This course provides the opportunity for students to receive both high school and college Credit: at the same time. Students who enter this course must meet the enrollment criteria of HOWARD COLLEGE and must pay their tuition at HOWARD COLLEGE for three hours of college Credit: each semester. Grades will be recorded both at Miles High School and at HOWARD COLLEGE and will appear on each institution's transcript. During the first semester, the course will include an intensive study of writing and reading skills, including research techniques. The second semester content will emphasize reading, critical thinking, research skills, and writing about various genres of literature. *This course will be taught on the high school campus in an online format.*

FINE ARTS (1 credit required)

Art I - 5105

TSDS PEIMS Code: 03500100 (ART1)

Grade Placement: 8-12, Credit: 1.0

Prerequisite: None

This course covers four basic strands in the field of fine arts: perception, creative expression/performance, historical and cultural heritage, and critical evaluation. Students will be required to illustrate ideas for artworks through the use of different mediums from direct observations, experiences, and imagination. The course also covers an understanding and appreciation of art history and culture as records of human achievement.

Art II - 5110

TSDS PEIMS Code: 03500500

(ART2DRAW)

Grade Placement: 9-12, Credit: 1.0

Prerequisite: Art I

Course Description * **See below.**

Art III - 5115

TSDS PEIMS Code: 03501300

(ART3DRAW)

Grade Placement: 10-12, Credit: 1.0

Prerequisites: Art I & Art II

Course Description * **See below.**

Art IV - 5120

TSDS PEIMS Code: 03500100

(ART4DRAW)

Grade Placement: 11-12, Credit: 1.0

Prerequisites: Art I, Art II, & Art III.

Course Description * **See below.**

*These Art courses' objectives will continue to use the creative experience of drawing as a means of building a stronger foundation for all artwork. The four basic strands that are studied include: perception, creative expression/performance, historical and cultural heritage, and critical evaluation. Students should have a definite interest in art as they will expound on their Art I experiences and objectives. Student projects will stimulate students' natural curiosity as well as their ability, self-motivation, and aesthetics.

Digital Art & Animation - 7025

TSDS PEIMS Code: 03580500

Grade: 9-12, Credit 1.0

Prerequisite: Art I

Digital Art and Animation consists of computer images and animations created with digital imaging software. Digital Art and Animation has applications in many careers, including graphic design, advertising, web design, animation, corporate communications, illustration, character development, script writing, storyboarding, directing, producing, inking, project management, editing, and the magazine, television, film, and game industries. Students in this course will produce various real-world projects and animations. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts.

Band I - 5010

TSDS PEIMS Code: 03150100

Grade: 8-12, Credit 1.0

Prerequisite: None

In level I music courses, students will compare and contrast elements of music through literature selected for performance and/or listening. They will further their study by performing expressively, from memory and notation, a vivid repertoire of music representing styles from diverse cultures. Students will be given the opportunity to sight-read ensemble parts, to create a variety of musical phrases, and to listen to and classify music by style and/or by historical period. Students will be expected to design and apply criteria for making informed judgments regarding the quality and effectiveness of musical performances.

Band II - 5015

TSDS PEIMS Code: 03150200

Grade Placement: 10-12, Credit: 1.0

Prerequisite: Band 1

Course Description * See below.

Band III - 5020

TSDS PEIMS Code: 03150300

Grade Placement: 11-12, Credit: 1.0

Prerequisites: Band I & II

Course Description * See below.

Band IV - 5025

Grade Placement: 12, Credit: 1.0

Course Description * See below.

TSDS PEIMS Code: 03150400

Prerequisites: Band I, II, and III

*These Band II-IV course objectives will be to extend the level I goals.

Guitar I - 5130

TSDS PEIMS Code: 03154600

Grade: 9-12, Credit 1.0

Prerequisite: None

In level I music courses, students will compare and contrast elements of music through literature selected for performance and/or listening. They will further their study by performing expressively, from memory and notation, a vivid repertoire of music representing styles from diverse cultures. Students will be given the opportunity to sight-read ensemble parts, to create a variety of musical phrases, and to listen to and classify music by style and/or by historical period. Students will be expected to design and apply criteria for making informed judgments regarding the quality and effectiveness of musical performances.

Guitar II - 5135

TSDS PEIMS Code: 03154700

Grade Placement: 10-12, Credit: 1.0

Prerequisite: Guitar I

Course Description * See above.

*These Guitar II-IV course objectives will be to extend the level I goals.

LANGUAGES OTHER THAN ENGLISH (2 credits required)

Spanish I & Spanish II

In levels I and II courses (novice levels), students will demonstrate an understanding of simple, clearly spoken, and written language. Students will develop an understanding of the practices and perspectives of the cultures studied; use the language to obtain, reinforce, or expand knowledge of other subject areas; demonstrate an understanding of the influence of language and culture on another; and use the language both within and beyond the school setting through activities such as participating in cultural events and using technology to communicate.

Level I courses - 1095 TSDS PEIMS Code: 03440100

Grade: 8-12, Credit 1.0

Prerequisite: None

Level II courses - 1100 TSDS PEIMS Code: 03440200

Grade: 9-12, Credit 1.0

Prerequisite: Level 1 course

MATHEMATICS (4 credits required)

Algebra I - 2015

TSDS PEIMS Code: 03100500 (ALG I)

Grade Placement: 9, Credit 1.0

Prerequisite: None

Algebra I provides the foundation concepts for high school mathematics. Students will be introduced to algebraic thinking and will use symbols to study relationships among quantities. They will be introduced to the relationship between equations and functions and will receive the tools for algebraic thinking as well as the training to use technology to model mathematical situations to solve meaningful problems. Foundations will be laid for all functions, with emphasis on linear and quadratic. Students will also be prepared for the math STAAR EOC.

****Algebra I Honors - 2020**

TSDS PEIMS Code: 03100500

Grade: 9, Credit 1.0

Prerequisite: Meets or Masters on 8th Grade STAAR and 90+ cumulative average in 8th grade subject area.

See Algebra I description above and additional honors requirements outlined on page 4.

Geometry - 2040

TSDS PEIMS Code: 03100700 (GEOM)

Grade Placement: 10, Credit 1.0

Prerequisite: Algebra I

Students will continue to build upon their math foundation as emphasized in Algebra I class. This course also covers geometric thinking, spatial reasoning, and the properties of geometric figures. Students study properties and relationships having to do with the size, shape, location, direction, and orientation of these figures. Students will use problem-solving, language and communication, connections within and outside mathematics, justification, and proof.

****Geometry Honors - 2045**

TSDS PEIMS Code: 03100700

Grade: 10, Credit 1.0

Prerequisite: Meets or Masters on the Algebra I EOC and 90+ cumulative average in Alg I

See Geometry description above and additional honors requirements outlined on page 4.

Algebra II - 2025

TSDS PEIMS Code: 03100600 (ALG II)

Grade: 11, Credit 1.0

Prerequisite: Algebra I and Geometry

Algebra II allows students to continue to build on the algebraic skills of analysis of data and the foundations of Algebra I. It shows a connection between algebra and geometry and illustrates how the tools of one can be used to solve problems in the other. The course includes in-depth studies and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices.

****Algebra II Honors - 2030**

TSDS PEIMS Code: 03100600

Grade: 11, Credit 1.0

Prerequisite: Algebra I and Geometry with a cumulative average of 90+

See Algebra II description above.

College Readiness Math - 2053**TSDS PEIMS Code: CP111200****Grades: 12, Credit 0.5****Prerequisite: Algebra I, Geometry, and 3rd Math**

College Preparatory Math exists to remediate deficiencies in order that students may excel in their chosen careers. College Prep courses are designed to prepare students for college-level academic course work. The recommendation to enroll in College Prep courses is made on the basis of diagnostic testing and TSIA2. Although these courses do not satisfy any college degree requirement, they are designed to assure reasonable student success in the college curriculum. The courses do qualify for high school elective Credit.

****Pre-Calculus - 2055****TSDS PEIMS Code: 03101100 (PRECALC)****Grade Placement: 11-12, Credits 1.0****Prerequisite: Algebra I, Geometry, and Algebra II H**

Pre-Calculus allows students to continue to build on the mathematical foundations laid in Algebra I, II, and Geometry. Students will use functions, equations, and limits as useful tools for expressing generalizations and as means for analyzing and understanding a broad variety of mathematical relationships. Students are expected to have a good working knowledge of a graphics calculator.

****MATH 1314 College Algebra DC (3 hours college) - 2050****TSDS PEIMS Code: 03102500****Grade: 12, Credit 1.0 (Even though this is only a semester course, students receive 1 full Math Credit.)****Prerequisite: Algebra I, Algebra II, Geometry; and college entrance requirements.**

This course provides the opportunity for students to receive both high school and college Credit: at the same time. Students who enter this course must meet the enrollment criteria of HOWARD COLLEGE and must pay their tuition at HOWARD COLLEGE for three hours of college Credit. Grades will be recorded both at Miles High School and at HOWARD COLLEGE and will appear on each institution's transcript. The course will include the study of graphs, functions and their inverses, polynomial and rational functions, roots of polynomial equations, exponential and logarithmic functions, linear and non-linear systems of equations and inequalities, determinants, matrices, binomial theorem, sequences and series, and permutations and combinations.

PHYSICAL EDUCATION *(1 credit required, 2 years marching band may count for 1 PE Credit)*

Athletics I-IV - Boys: 7th & 8th-6010, 9th-6100, 10th-6110, 11th-6120, 12th-6130 -- Girls: 7th & 8th-6000, 9th-6105, 10th-6115, 11th-6125, 12th-6135

TSDS PEIMS Code: 82931XXX - 83210XXX - PES00000 - PES00001 - PES00002 - PES00003**Grade: 9-12, Credit 1.0****Prerequisite: None****Lifetime PE - 6150****TSDS PEIMS Code: PES00051****Grades: 9-12, Credit 1.0****Prerequisite: None**

This course represents physical education and the concept of personal fitness. The basic purpose of the course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. The concept of wellness, or striving to reach optimal levels of health, is the cornerstone of this course.

PE Substitution Marching Band

TSDS PEIMS Code: PES00012

Grades 9-10, Credit 0.5 each year, total 1.0

Prerequisite: None

A student who commits to Marching Band for two years can substitute this course for their required PE credit. A student who is enrolled in Band and PE/Athletics will get their PE credit from the PE/Athletics class.

SCIENCE (4 credits required)

Integrated Physics and Chemistry - 3015

TSDS PEIMS Code: 03060201 (IPC)

Grade: 10, Credit: 1.0

This course is a study of the basic physical principles which govern the materials and forces around us. One semester will be devoted to chemistry, including chemical symbols, introduction to atomic energy, the periodic chart, formation of ions, and chemical reactions/equations. One semester will consist of physics- principles of measurement, motion, mechanics, light, sound, and electricity. Laboratory work is 40%.

Biology - 3025

TSDS PEIMS Code: 03010200 (BIO)

Grade: 9, Credit: 1.0

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

***Chemistry - 3020**

TSDS PEIMS Code: 03040000 (CHEM)

Grade: 11, Credit 1.0

In Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem-solving. Students study a variety of topics that include characteristics of matter; energy transformations during physical and chemical changes; atomic structure; periodic table of elements; behavior of gasses; bonding; nuclear fusion and nuclear fission; oxidation-reduction reactions; chemical equations; solutes; properties of solutions; acids and bases; and chemical reactions. Students will investigate how chemistry is an integral part of our daily lives.

***Physics - 3040**

TSDS PEIMS Code: 03050000

Grade: 11-12, Credit 1.0

Prerequisite: Biology

In Principles of Technology, students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems will be described in terms of space, time, energy, and matter. Students will study a variety of topics that include momentum, electricity, magnetism, thermodynamics, and characteristics and behaviors of waves. Students will apply physics concepts and perform laboratory experimentations for at least 40% of instructional time using safe practices. Scientific inquiry, science and social ethics and scientific systems will also be covered.

****Anatomy and Physiology - 3035**

TSDS PEIMS Code: 13020600 (ANATPHYS)

Grade: 11–12, Credit: 1.0

Prerequisites: Biology and a second science credit.

Part of the Health and Science Career Cluster.

The Anatomy and Physiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

***Forensic Science - 3030**

TSDS PEIMS Code: 13029500

Grade: 11-12, Credit 1.0

Prerequisites: Biology and/or Dually enrolled in Chemistry or Physics

This course offers extensive laboratory experience that integrates the concepts learned in biology, chemistry and physics to strengthen individual skills in scientific reasoning and observation. Using inquiry based settings, students will learn basic scientific and mathematical methods and models required in forensic science. Representative skills are: the determination of the force and motion of a vehicular crash, or the logical sequence of events determined through blood spatter analysis. The course also includes examination of physical evidence, correct crime scene protection and investigation, forensic entomology, and forensic anthropology.

***Food Science - 3070**

TSDS PEIMS Code: 13023000

Grade: 11-12, Credit 1.0

Prerequisites: Biology

In Food Science students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration in food products, the principles underlying food processing, and the improvement of foods for the consuming public.

***Advanced Animal Science - 7230**

TSDS PEIMS Code: 13000700

Grade: 11-12, Credit 1.0

Prerequisite: Biology and Chemistry (can be dually enrolled), completed coursework for Animal Science Pathway

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences.

SOCIAL STUDIES (3 credits required)

World Geography Studies - 4030

TSDS PEIMS CODE: 03320100

Grade: 9-12 Credit 1.0

Prerequisite: NONE

World Geography is an overview of the Physical and Human Processes that Shape and Change our World. It emphasizes the processes that affect the Earth and how Humans interact with it and each other. Special attention given to the physical components of our world; Landforms, Weather, Seasons, Climate, and Vegetation. As well as the Human components of our world; Human environment Interaction, Culture, Migration, Population, and Diffusion of Ideas and Culture.

World History Studies - 4025 (offered 2025-2026)

TSDS PEIMS Code: 03340400 (WHIST)

Grade: 9-12, Credit 1.0

Prerequisite: None

World History offers an overview of the entire history of humankind. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. This course is designed to provide students with a vital understanding of the past in order to help them understand their own times. Attention is given to growth of ideas, the arts, religion, education, literature, and other aspects of intellectual and social history, as well as political, geographic, and economic history of world cultures. Students use the process of historical inquiry to research, interpret, and use multiple sources of evidence.

U.S. History - 4020

TSDS PEIMS Code: 03340100 (USHIST)

Grade: 11, Credit 1.0

Prerequisite: None

In this course, students study the history of the United States from Reconstruction to the present through the use of reading, research, writing, and interpretation of maps, charts, graphs, and tables. Historical content focuses on political, economic, military, diplomatic, and social events and issues, including the contributions of significant groups and individuals to the history of this country, and the impact of geographic factors on major events. An important part of the content is the development and application of the principles of citizenship. Students will use critical thinking skills to explain and apply methods of interpreting the past, including points of view and historical context. They will use a variety of rich primary and secondary source material, such as biographies and autobiographies, Supreme Court cases, novels, speeches, letters, diaries, poetry, songs, artworks, photographs, documentaries, and films.

****U.S. History DC- 4055/4060**

Grade Placement: 11, Credit: 1.0

HIST 1301 History of the United States (3 hours college) - 4055 TSDS PEIMS Code: 03340100

HIST 1302 History of the United States (3 hours college) - 4060 TSDS PEIMS Code: 03340100

Prerequisite: College entrance requirements. Students will be required to complete both fall & spring semester dual credit.

US History 1301 is a survey of American History from the beginnings through reconstruction. It is offered in the fall semester to juniors who have been accepted into Howard College.

US History 1302 is a survey of American History from reconstruction to the present. It is offered in the spring semester to juniors who have successfully completed US History 1301 with a "70" or higher. Each course requires collegiate level writing. Students in these courses are typically assessed through the completion of 3 to 6 research essays and 3 major tests. At the successful completion of both courses, students earn high school credit as well as 6 college semester hours that may be transferred to any Texas public college or university.

Government - 4010

TSDS PEIMS Code: 03330100 (GOVT)

Grade: 12, Credit 0.5

Prerequisite: None

United States Government provides an opportunity for students to study foundations of the United States political system, development of the United States governmental system, the structure and functions of the United States government, and the role of decision-making in civic affairs.

****Government DC - 4065/4070**

TSDS PEIMS Code: 03330100 (GOVT)

Grade: 12, Credit 1.0

Prerequisite: College entrance requirements for ASU.

POLS 2305 United States Government (3 hours college) - 4065 TSDS PEIMS Code: 03330100

POLS 2306 State Government (3 hours college) - 4070 TSDS PEIMS Code: 03380002

This course provides the opportunity for students to receive both high school and college Credit: at the same time through a dual enrollment. This course is taught in person by MHS faculty.

Economics - 4015

TSDS PEIMS Code: 03310300 (ECOFE)

Grade: 12, Credit 0.5

Prerequisite: None

This course is a comprehensive study of the American free enterprise economy. It includes the study of basic concepts of economics, the market system, the American business system, labor unions, money and banking, business cycles, consumer skills, the role of government in free enterprise, and comparative economic systems. Emphasis is placed upon economic decision-making and personal development strategies.

****Psychology DC - 4037**

TSDS PEIMS Code: 03350100

PSYC 2301 Introduction to Psychology (3 hours college)

Grade: 11-12, Credit 0.5

Prerequisite: College entrance requirements

This course provides the opportunity for students to receive both high school and college credit through Howard College. The course will include a study of the basic principles in psychology bearing on growth, motivation, learning, drives, emotions, and similar aspects of human behavior.

Personal Financial Literacy - 8300

TSDS PEIMS Code: 03380082 (PFL)

Grade: 12, Credit 0.5

Prerequisite: Algebra I, Geometry, and 3rd Math

Financial Mathematics is a course about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors.

SPEECH

****Public Speaking DC - 4050**

TSDS PEIMS Code: 03240900

SPCH 1315 Public Speaking (3 hours college)

Grade: 10-12, Credit 0.5

Prerequisite: None; college entrance requirements

This course provides the opportunity for students to receive both high school and college Credit: at the same time.

Students who enter this course must meet the enrollment criteria of Howard College and must pay their tuition at HC for three hours of college Credit. Grades will be recorded both at Miles High School and at HC and will appear on each institution's transcript. The course involves the study of effective communications through speech. Emphasis is placed upon content, organization, and delivery of speeches for various purposes and occasions.

MILES HIGH SCHOOL PATHWAYS AT-A-GLANCE

Pathway/ Program of Study	Level 1	Level 2	Level 3	Level 4	Industry Based Certificate
Animal Science <small>Ag, Food, & Natural Resources</small>	Principles of Ag, Food & Natural Resources	Livestock Production	*Advanced Animal Science	CTE Project Based Capstone OR ^Career Prep (position held by student must fall under this program of study)	Elanco Fundamentals of Animal Science
Agricultural Technology and Mechanical Systems <small>Ag, Food, & Natural Resources</small>	Principles of Ag, Food & Natural Resources	Agriculture Mechanics and Metal Tech	*Agriculture Structures Design and Fabrication	CTE Project Based Capstone OR ^Career Prep (position held by student must fall under this program of study)	AWS Structural Steel AWS Sheet Metal Weld
Exercise Science, Wellness and Restoration <small>Health Science</small>	Principles of Exercise Science and Wellness	Kinesiology I	*Kinesiology II	Anatomy and Physiology or CTE Project Based Capstone OR ^Career Prep (position held by student must fall under this program of study)	PreProfessional Certification Nutrition, Food, & Wellness
Culinary Arts <small>Hospitality and Tourism</small>	Principles of Hospitality and Tourism	Introduction to Culinary Arts	*Food Science Or Culinary Arts	^Career Preparation (position held by student must fall under this program of study)	Food Protection Manager Certification
Teaching and Training <small>Education and Training</small>	Principles of Education and Training	Child Development	*Instructional Practices (2 credit course)	CTE Project Based Capstone OR ^Career Prep (position held by student must fall under this program of study)	Educational Aide I
Business Management <small>Business, Marketing, and Finance</small>		Business Information Management I (BIM)	*Business Information Management II (BIM)	^Career Prep (position held by student must fall under this program of study)	To Be Determined

*Indicates when Industry Based Certification will be completed

^Indicates a 2 credit class

Other CTE courses offered at Miles High School:

Career Preparation - Seniors Only

Digital Art

Forensic Science

Graphic Design I and II - Yearbook

Team Sports Officiating (Not a CTE course)

Professional Communication (7th Grade)

Touchdata (typing) (7th Grade)

College and Career Readiness (8th Grade)

MHS Career and Technical Education

Complete Programs of Study Offered:

Agriculture, Food, & Natural Resources

Animal Science
Applied Agriculture Engineering

Hospitality and Tourism

Culinary Arts

Education and Training

Teaching and Training

Health Sciences

Exercise Science & Wellness

Business, Marketing, and Finance

Business Management

AGRICULTURE, FOOD & NATURAL RESOURCES

ANIMAL SCIENCE PATHWAY

Principles of Agriculture, Food and Natural Resources - 7235

TSDS PEIMS Code: 03241400

Grade: 9-11, Credit 1.0

Prerequisite: None

To be prepared for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practice, and expectations. To prepare for success, students need to have opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings.

NOTE: Contains public speaking components because this course fulfills Speech requirements if Professional Communications has not been taken.

Livestock Production - 7210

TSDS PEIMS Code: 13002350

Grade: 9-12, Credit 1.0

Recommended: A Principals Course

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry.

****Advanced Animal Science - 7230**

TSDS PEIMS Code: 13000700

Grade: 11-12, Credit 1.0

Prerequisite: Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry; and Livestock Production

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences.

AGRICULTURAL TECHNOLOGY AND MECHANICAL SYSTEMS PATHWAY

Agricultural Mechanics and Metal Technologies - 7220

TSDS PEIMS Code: 13002200

Grade: 9-12, Credit 1.0

Prerequisite: A Principles Course

Agricultural Mechanics and Metal Technologies is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metalworking techniques. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings.

Agriculture Structures Design and Fabrication - 7225

TSDS PEIMS Code: 13002300

Grade: 10-12, Credit 1.0

Prerequisite: Agricultural Mechanics & Metal Technologies

In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings

Agriculture Equipment Design and Fabrication - 7240

TSDS PEIMS Code: 13002350

Grade: 11-12, Credit 1.0

Prerequisite: Agricultural Mechanics and Metal Technologies

In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural equipment design and fabrication. To prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings.

HEALTH SCIENCE

EXERCISE SCIENCE, WELLNESS AND RESTORATION PATHWAY

Principles of Exercise Science and Wellness- 3039

TSDS PEIMS Code: N1302107

Grade: 9-12, Credit 0.5

Prerequisite: None

The Principles of Exercise Science and Wellness course is designed to provide for the development of knowledge and skills in fields that assist patients with maintaining physical, mental, and emotional health. Students in this course will understand diet and exercise, as well as techniques to help patients recover from injury, illness, and disease. They will also learn about introductory health science topics such as employability skills, lifespan development, and ethical and legal standards.

NOTE: Contains public speaking components because this course fulfills Speech requirements if Professional Communications has not been taken.

Kinesiology I - 3037**TSDS PEIMS Code: N1302104****Grade: 9-12, Credit 1.0****Prerequisite: None**

This course is designed for students interested in medical and associated health careers. It gives an overview of the therapeutic, diagnostic, environmental, and informational systems of the healthcare industry. Topics include career requirements, medical history, trends in financing health care, ethical and legal responsibilities, human anatomy and physiology as related to the healthcare profession, client care, safety, first aid, and CPR. This course prepares the student for the transition to clinical and/or work-based experiences available in the advanced health science courses.

Kinesiology II - 3038**TSDS PEIMS Code: N1302124****Grade: 10-12, Credit 1.0****Prerequisite: None**

The Kinesiology II course is designed to provide students an advanced level of knowledge, skills, and understanding of body composition and the effect on health, nutritional needs of physically active individuals, qualitative biomechanics, application of therapeutic modalities, appropriate rehabilitation services, and aerobic training intensity programs. The course is designed to allow students to advance their understanding of professional standards, employability skills, and ethical and legal standards.

****Anatomy and Physiology - 3035****TSDS PEIMS Code: 13020600****Grade: 12, Credit 1.0****Prerequisite: Biology and a second science credit.**

In this course, students conduct laboratory investigations and fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Instruction will be presented through an integration of biology, chemistry, and physics. Students will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems.

HOSPITALITY AND TOURISM

CULINARY ARTS PATHWAY

Principles of Hospitality and Tourism - 7480**TSDS PEIMS Code: 13022200****Grade: 9-11, Credit 1.0****Prerequisite: Preferred: Principles Course**

This course is designed to introduce students to fundamentals of nutrition, wellness as well as basic food preparation including fundamental methods and concepts in the culinary arts in which laboratory practice will parallel class work. Additional topics covered include: food safety & sanitation and principles of lifetime nutrition & wellness. Students will have the opportunity to participate in related career and technical organizations & educational study trips as well as explore career opportunities and pathways in the Hospitality & Tourism Program of Study.

NOTE: Contains public speaking components because this course fulfills Speech requirements if Professional Communications has not been taken.

Introduction to Culinary Arts - 7450

TSDS PEIMS Code: 13022550

Grade: 9-12, Credit 1.0

Prerequisite: Preferred: Principles Course

This course is designed to introduce students to fundamentals of nutrition, wellness as well as basic food preparation including fundamental methods and concepts in the culinary arts in which laboratory practice will parallel class work. Additional topics covered include: food safety & sanitation and principles of lifetime nutrition & wellness. Students will have the opportunity to participate in related career and technical organizations & educational study trips as well as explore career opportunities and pathways in the Hospitality & Tourism Program of Study.

Culinary Arts - 7425 (NOTE: ONLY OFFERED FOR THOSE WHO NEED TO COMPLETE A PATHWAY IN 2025)

TSDS PEIMS Code: 13022600

Grade: 10-12, Credit 2.0 (double blocked periods)

Prerequisite: Introduction to Culinary Arts and/or Principles of Hospitality and Tourism

Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification, a Texas culinary specialist certification, or any other appropriate industry certification. This course may be offered as a laboratory-based or internship course. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

***Food Science - 3070**

TSDS PEIMS Code: 13023000

Grade: 11-12, Credit 1.0

Prerequisites: Biology

In Food Science students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration in food products, the principles underlying food processing, and the improvement of foods for the consuming public.

EDUCATION AND TRAINING

TEACHING AND TRAINING PATHWAY

Principles of Education and Training - 7469

TSDS PEIMS Code: 13014200

Grade: 9-12, Credit 1.0

Prerequisites: None

Principles of Education and Training is designed to introduce learners to the various careers available within the Education and Training Career Cluster®. Students use self-knowledge as well as educational and career information to analyze various 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.

NOTE: Contains public speaking components because this course fulfills Speech requirements if Professional Communications has not been taken.

Child Development - 7470**TSDS PEIMS Code: 13024700****Grade: 9-12, Credit 1.0****Prerequisite: Principles Course**

Child Development is a technical course that addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

Instructional Practices - 7471**TSDS PEIMS Code: 13014400****Grade: 11-12, Credit 2.0****Prerequisites: At least one credit from the Education and Training Career Cluster**

Instructional Practices is a field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators or trainers in direct instructional roles with elementary, middle school, and high school-aged students. Students 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, trainers, paraprofessionals, or other educational personnel.

BUSINESS, MARKETING, & FINANCE

BUSINESS MANAGEMENT

Business Information Management I - 7050**TSDS PEIMS Code: 13011400****Grade: 9-12, Credit 1.0****Prerequisite: None**

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.

Business Information Management II - 7055**TSDS PEIMS Code: 13011500****Grade: 10-12, Credit 1.0****Prerequisite: BIM I**

In Business Information Management II, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software.

CTE COURSES OFFERED TO COMPLETE A PATHWAY

Career Preparation for Programs of Study - 7400

TSDS PEIMS Code: 12701121

Grade: 11-12, Credit: 2.0-3.0

Prerequisite: None

Career Preparation provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences and supports strong partnerships among school, business, and community stakeholders. This can be the final course in any strand.

NOTE: If this course is taken to complete a pathway the job MUST be under the scope of that pathway.

This course can also be taken outside of a pathway.

Career and Technical Education Project Based Capstone - 7290

TSDS PEIMS Code: 12701101 Grade: 11-12, Credit: 1

Prerequisite: None

Project-Based Research is a course for students to research a real-world problem. Students are matched with a mentor from the business or professional community to develop an original project on a topic related to career interests. Students use scientific methods of investigation to conduct in-depth research, compile findings, and present their findings to an audience that includes experts in the field. To attain academic success, students must have opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings

OTHER COURSE OFFERINGS

Digital Art & Animation - 7025 (2023-2024)

TSDS PEIMS Code: 03580500

Grade: 9-12, Credit 1.0

Prerequisite: Art I

Digital Art and Animation consists of computer images and animations created with digital imaging software. Digital Art and Animation has applications in many careers, including graphic design, advertising, web design, animation, corporate communications, illustration, character development, script writing, storyboarding, directing, producing, inking, project management, editing, and the magazine, television, film, and game industries. Students in this course will produce various real-world projects and animations. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts

Graphic Design and Illustration (YEARBOOK I) - 7060

TSDS PEIMS Code:13008800

Grade: 10-12, Credit 1.0

Prerequisite:

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

Advanced Graphic Design and Illustration (YEARBOOK II) - 7064

TSDS PEIMS Code: 13008900

Grade: 11-12, Credit 1.0

Prerequisite: Graphic Design and Illustration

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills.

Career Preparation (Not to complete a CTE Pathway) - 7400

TSDS PEIMS Code: 12701121

Grade: 11-12, Credit: 2.0-3.0

Prerequisite: None

Career Preparation provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences and supports strong partnerships among school, business, and community stakeholders. This can be the final course in any strand.

Career Preparation for Programs of Study - 7401

TSDS PEIMS Code: 12701121

Grade: 11-12, Credit: 2.0-3.0

Prerequisite: None

Career Preparation provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences and supports strong partnerships among school, business, and community stakeholders. This can be the final course in any strand.

Team Sports Officiating- 6155

TSDS PEIMS Code: N1160012

Grade: 11-12, Credit 1.0

Prerequisite: None

Students will learn rules and regulations of selected team sports, developing skills in the area of communication, decision making, and conflict management which are needed to officiate team sport competitions. Working with coaches, players, other officials, and parents, the expectation is that by the end of the course students will have the ability to officiate at various levels and manage responsibilities that come with the role.

MISD Dual Credit Policy and Scheduling Procedures

Dual Credit courses will be available to eligible 11th and 12th grade students. (see eligibility requirements on the following page). All course offerings are 16-week classes to match our current schedule.

Available Dual Credit courses are as follows:

<u>Grade</u>	<u>College Course-Fall</u>	<u>HS Equivalent-Fall</u>	<u>College Course-Spring</u>	<u>HS Equivalent-Spring</u>
11	HIST 1301 US History*	US History	HIST 1302 US History*	US History
11	SPCH 1315 Public Speaking	Public Speaking	PSYCH 2301 General Psychology	Psychology
12	POLS 2305 Federal Government (ASU*)	U.S. Government	POLS 2306 Texas Government (ASU*)	Special Topics in Social Studies
12	ENGL 1301 Composition 1	English 4A	ENGL 1302 Comp II	English 4B
12	Math 1314 College Algebra	Independent Study Math (1 credit)	Student Choice*	Student Choice*

*US History- Dual Credit students must take both History 1301 and 1302 in the fall and spring in order to meet the TEKS requirements for the US History EOC.

*POLS 2305/2306 is an Angelo State University dual credit course taught by Jared Graves on campus.

*Student Choice- Dual Credit students may choose one 3 hour class to fill their schedule senior year. Class approval will be pending availability, high school credit equivalency per TEA, and the terms of the MISD Memorandum Of Understanding with Howard College.

*Students may take courses offered Junior year as a Senior if availability and schedule allow.

*Students taking Summer Classes or 8 week courses will not receive High School credit for those classes.

Note: Not all colleges and universities accept credit earned in all dual credit courses taken in high school for college credit. Students and parents should check with the prospective college or university to determine if a particular course will count toward the student's desired degree plan.

Dual Credit Spring Offerings for “Student Choice”

SPRING 2025 CLASSES		
ENGL 1302	Composition II (PREREQUISITE—ENGL 1301)	
HIST 1302	US History II	
ECON 2301	Macroeconomics	
GOVT 2305	Federal Government	
GOVT 2306	Texas Government	
passing (C or higher) of ENGL 1301		
ENGL 2321	British Literature	
ENGL 2322	British Literature I	
MATH 1342	Elementary Statistics	
MATH 1314	College Algebra	
MATH2413	Calculus I (PREREQUISITE—MATH 2412)	
MUSI 1306	Music Appreciation	
PSYC 2314	Lifespan Growth and Development	
PSYC 2301	General Psychology	
SPCH 1315	Public Speaking	
I*	BIOL 1407	Biology for Science Majors II
	BIOL 2402	Anatomy and Physiology II* (PREREQUISITE BIOL 2401)

Student Eligibility for Dual Credit Classes

Determine your TSI status. To be able to enroll in dual credit courses, all students who do not meet the exempt requirements must take the TSI Assessment test in Math and/or Reading and Writing. See requirements listed below. Contact the MHS high school counselor for scores and assistance.

Dual Credit TSI Eligibility

TEST	English Language Arts & Reading (ELAR)	Math
ACT	Composite Score of 23 with at least a 19 on the English and the Math.	
New SAT Effective Aug. 23, 2017	Evidence-Based Reading and Writing Score of 480 or higher.	Minimum Score of 530 on the Math
STAAR	English II EOC of 4000 or higher	Algebra 1 EOC of 4000 or higher (Taken and Passed Algebra II Course)
New TSIA2 Effective Jan. 11, 2021	CRC \geq 945 and Essay = 5-8: College Ready CRC $<$ 945 and DT = 5-6 and Essay = 5-8: College Ready *College Readiness Classification Test (CRC) *Diagnostic Test (DT)	CRC \geq 950; College Ready CRC $<$ 950 and DT = 6: College Ready *College Readiness Classification Test (CRC) *Diagnostic Test (DT)
Old TSI	Reading – 351 or higher Writing – 5-8 Essay (including ABE 5-6) OR 340 or higher and 4 on Essay	350 or higher

- All college-level Academic Reading and/or Writing courses require passing TSI scores in ELAR.
- All college-level Math courses (and some Sciences) require passing TSI scores in Math.

Frequently Asked Questions:

- 1. Cost?** Howard DC courses are \$50 per hour. For example, if you take one 3 hour course it will cost \$150. **Dual Credit pricing is available to our students through the summer sessions immediately FOLLOWING their senior year.*
- 2. Enrollment?** Howard College representatives will offer a Spring and Fall parent session on MHS campus to enroll students and introduce students to the portal and HC expectations and resources. MHS Counselor will complete the DC registration card during MHS enrollment and submit to Howard advisors to process. If a parent is unable to attend a session on MHS campus they are responsible for coordinating an alternative date/time with Howard College PRIOR to school starting.
- 3. Teacher?** Dual Credit courses are taught by a Howard College faculty and proctored by MHS faculty. The student is enrolled in a college course and is responsible for keeping track of deadlines and course requirements. The MHS faculty is provided for student support and verify attendance to obtain high school credit.