

**Marion High School**  
**Course Guide**  
**2018-2019**



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**Marion ISD Mission Statement**

The mission of the Marion Independent School District, as the primary source for public education is to prepare graduates to be responsible, productive citizens in a diverse and changing world, through partnerships with parents and community, by providing opportunities to achieve excellence and personal growth.

In accordance with Title VI, Civil Rights Act of 1964, Title IX, Education Amendment of 1972, Section 504, Rehabilitation Act of 1973 and Title II of the Americans with Disabilities Act of 1992, the Marion Independent School District does not discriminate on the basis of ethnicity, religion, military status, color, national origin, age, sex, disability or any other basis prohibited by law. Title IX Coordinator is Ms. Kelly Walters and Section 504 Coordinator is Mr. Daniel Terrazas: PO Box 189, Marion, Tx. 78124, (830)914-2803

## **ENROLLMENT REQUIREMENTS**

All Marion High School students in grade levels 9 through 11 must be enrolled in eight (8) credit earning classes per semester. Seniors must be enrolled in a minimum of six (6) credit earning classes per semester.

## **GRADE CLASSIFICATION**

After the ninth grade, students are classified according to the number of credits earned toward graduation.

Credits Earned	Classification
6	Grade 10 (Sophomore)
12	Grade 11 (Junior)
18	Grade 12 (Senior)

## **COURSE SELECTION INFORMATION**

Students following a college-preparatory plan should consult catalogs of specific colleges before making course selections, paying particular attention to foreign language and mathematics requirements.

Students are reminded that some course offerings are tentative and are dependent upon sufficient enrollment. It is extremely important, therefore, that alternate course choices be listed for elective courses on the registration choice form. As the student signs up for next year's courses, selections should be made on the assumption the courses in progress will be passed.

Students are given the opportunity to request any course regardless of ethnicity, religion, military status, color, national origin, age, sex, disability or any other basis prohibited by law. Athletes should carefully consider their course options as NCAA has requirements for academic credit that may impact college participation and scholarships. Elective courses are filled by senior students first, followed by Juniors, Sophomores, then Freshmen. Students are required to be in attendance for at least 90% of each course session per semester in order to receive credit. Excessive absences may result in loss of credit.

## **DUAL CREDIT**

Marion High School offers two different variations of Dual Credit learning for 11th and 12th graders. In an effort to include more students in dual credit learning, Marion High School, through Palo Alto College (PAC), will be offering dual credit opportunities in English 3, English 4, U.S. History, Government, and Economics on the high school campus, and through Central Texas Technology Center (CTTC) and Alamo Academies, will be offering opportunities in Information Technology and Security and Advanced Technology and Manufacturing on the CTTC campus in New Braunfels. To be eligible for dual credit offerings, a student must meet academic requirements set forth by Palo Alto College, the Alamo Academies and the Alamo Community College District. Dual Credit requirements must be maintained and met yearly. Failure to meet yearly requirements will result in program dismissal. See your counselor for specific requirements.

## **PROMOTION**

Students are promoted only on the basis of academic achievement. A grade lower than a 70 will result in the student receiving no credit for that course. A fourth year high school student with fewer than 18 credits may be reclassified as a senior at the end of the fall semester if the student is expected to complete all required credits necessary for graduation in a timely fashion.

## **LOCAL CREDIT**

Some courses are offered as "local" credit only and do not count toward the State units of credit required for graduation.

## **STUDENT SUCCESS INITIATIVE**

Students who did not meet the student success initiative (SSI) and are placed in the 9th grade by a Grade Placement Committee (GPC) may be placed in accelerated learning classes in lieu of electives at the discretion of the principal. Students placed into the 9th grade are also not eligible for extracurricular activities for the first six weeks.

## **EARLY GRADUATES**

Students intending to graduate in three years should declare their intentions by the end of their 9th grade year and must have a graduation plan approved by parent and administrator. See Counselor for more details.

## **TEXAS HIGH SCHOOL DIPLOMA REQUIREMENTS**

Students must attend and pass their classes, as well as state mandated assessments, in order to receive a diploma and graduate from a Texas public high school. Students will take the State of Texas Assessments of Academic Readiness (STAAR) End of Course Exam in designated core classes. Students will be required to complete the Foundation High School plan of 24 credits, plus 4 sequential electives ending with at least one endorsement. Though the State Board of Education rules no longer require students to earn a speech communications credit, the MISD School Board local policy requires students to earn .5 credit of speech as a requirement to graduate, as well as World History, for 1.0 credits. These two classes count as elective credit.

## **FOUNDATION PROGRAM REQUIREMENTS—24 credits**

This option is the minimum graduation plan available and replaces the current Minimum High School Program. It is not available until after the completion of the sophomore year. This graduation plan requires a parent conference and administrator approval. This plan may not meet college or university requirements and may not meet requirements for certain branches of the military.

- English—four credits. Students must earn credits in English I, English II, English III and English IV.
- Math—three credits. Students must earn credits in Algebra I and Geometry. The third credit may be chosen from a list of approved courses.
- Science—three credits. Students must earn one credit in Biology. The other two credits may be selected from a list of approved courses.
- Social Studies—four credits. Students must earn credits in World Geography, World History (MISD Local Policy), US History since 1877, US Government and Economics.
- Languages other than English—two credits. These credits must be earned in any two levels of the same language.
- Physical Education—one credit. Students are required to earn only one credit in PE. Students participating in extracurricular athletics earn PE credit as well as students participating in marching band each fall.
- Fine Arts—one credit. Students must earn one fine arts credit. This credit may be earned in a traditional fine arts course or by earning credit in a community based arts program. See counselor for more details.
- Speech/Health—one credit. Students must earn .5 credit of Speech and .5 credit of Health Education as per MISD Local Policy.
- Electives—5 credits. These credits must be selected from a list of courses that do not otherwise satisfy a course required for graduation.

## **ENDORSEMENT PLAN REQUIREMENTS—26 credits**

The curriculum requirements for earning an endorsement require a student to meet and exceed the Foundation Program and successfully completing a coherent sequence of courses that are content specific to the chosen endorsement, including a 4th math and a 4th science.

## **DISTINGUISHED LEVEL OF ACHIEVEMENT—26 credits**

This is the default plan for all MISD students beginning with the Class of 2018. The curriculum requirements for earning an endorsement require a student to meet and exceed the Foundation Program and successfully completing the credits for an endorsement, including a 4th math, one being Algebra II, a 4th science credit.

## **EXTRA CURRICULAR ELIGIBILITY REQUIREMENTS**

Marion High School competes in a number of academic and athletic extra-curricular activities to provide enrichment for students. To participate, students must maintain academic eligibility. To do so, students must maintain a grade of 70% or higher in all academic subjects other than advanced courses. The advanced courses recognized by MHS include all Pre-AP, AP, and Dual Credit courses.

## **PERFORMANCE ACKNOWLEDGEMENTS**

A student can earn performance acknowledgements, indicated on final transcripts, in several different areas including:

- Outstanding performance in a dual-credit course—Successful completion of at least 12 hours of college academic courses, earning a grade of B or higher.
- Outstanding performance in bilingualism and biliteracy- Demonstrate proficiency in two or more languages by completing all English Language Arts requirements, maintaining a minimum grade of 80 on a 100 point scale and complete a minimum of three credits in the same language in a language other than English, maintaining a minimum grade of 80 on 100 point scale.
- Outstanding performance on a College board AP test—Earn a score of 3 or higher on a College Board AP examination
- Outstanding performance of the PSAT, SAT or ACT, or -- Earn a PSAT score that qualifies the student for recognition as a commended scholar or higher by the NMSQT, or part of the National Hispanic Recognition Program., earn a combined critical reading and mathematics score of at least 1250 on the SAT, or earn a 28 composite score on the ACT.
- Earn a nationally or internationally recognized business or industry certification or license.

## **TESTING REQUIREMENTS**

Students will be academically assessed using the STAAR End-of Course tests. Students must earn a passing score on five (5) exams--Algebra I, Biology I, English I, English II and US History.

## **TOP TEN PERCENT AUTOMATIC ADMISSION**

In order to be considered for **Top Ten Percent Automatic Admission** in Texas Public Universities, graduates **MUST earn a Distinguished Level of Achievement**. In order to qualify for automatic college admission under the Foundation High School Program, a student must be ranked in the top 10% of the graduating class at the time of application and earn the Distinguished Level of Achievement or earn a satisfactory performance on the ACT or SAT. The only exception to this rule is in regards to the University of Texas at Austin, who will notify high schools, the exact percentage that will be automatically accepted one year prior to the expected graduation date.

## **CLASS RANK/HIGHEST RANKING STUDENT**

Certain courses will be given additional rank point adjustments. These points will be added to each final semester grade and will impact the students ranking. The actual grade earned will appear on the student's' transcript and reflected in the student's ranking. Note: Any course taken in summer school, night school, by correspondence or credit-by-exam, Marion High School self-paced courses, along with Dual Credit courses taught by telecourse will not be included in GPA and class ranking calculations. To be eligible for valedictorian and salutatorian, a student must attend the district high school for four complete semesters immediately preceding graduation. Students who complete credit requirements for graduation in less than 8 semesters are considered early graduates. Early graduates are not eligible for valedictorian or salutatorian designation regardless of GPA and/or rank. Top ten percentage ranking designation is also voided for early graduates. For two school years following his or her graduation, a district student who graduates in the top ten percent of his or her class is eligible for automatic admission into four-year public universities and colleges in Texas if the

student: Completes the Recommended or Advanced/Distinguished Achievement Program; or satisfies the ACT College Readiness Benchmarks or earns at least a 1500 out of 2400 on the SAT. Students entering grade 9 in the 2014–2015 school year will be under a different graduation program than previous school years. Therefore, class-ranking procedures may be adjusted by the district based on the new graduation plan. As these decisions are made, the district will make the information available to the students affected by these changes.

## **CLASS SCHEDULES**

All students are expected to attend school for the entire school day and maintain a class/course schedule to fulfill each period of the day. Seniors who have the appropriate number of credits to graduate, may only be in attendance for 5 credit earning periods per day, provided certain criteria are met.

## **CAREER AND TECHNICAL EDUCATION (CTE)**

The CTE Program provides career and technical courses that give students the opportunity to acquire skills and competencies for their future roles as consumers and/or wage earners. The curriculum is designed to help students acquire employable skills for a transition from school to work and is open to any student. As students plan for their futures, they should consider which cluster or program of study they wish to explore while in high school. As part of the requirements of the Career and Technology Program, prior to 9th grade, students will be advised to select program of study in the form of a Career Pathway, once in high school, students are advised of the available coherent sequence of courses in their chosen career pathway, and at this time students can amend their selection of career area. A coherent sequence must include 4 courses from the same career cluster.

The following is a list of programs offered: Agriculture, Food & Natural Resources; Arts, Audio Visual, Communications & Technology; Health Science; Marketing; Manufacturing; and Science, Technology, Engineering & Mathematics. All career and technical education programs follow the district's policies of nondiscrimination on the basis of race, color, religion, national origin, sex, age, disability or socioeconomic status in all programs, services, activities, and employment. In addition, arrangements can be made to ensure that the lack of English language proficiency is not a barrier to admission or participation. For general information about these programs, contact: Dwayne Reiley, Career and Technical Education Coordinator, 211 W. Otto, Marion, TX 78124, 830-914-2803 x 400, Robyn O'Bryan, Marion High School Counselor, 506 Bulldog Ln., Marion TX 78124, 830-914-2803 x 440 or Daniel Terrazas, Director of Federal Programs at 211 W. Otto, Marion, TX 78124, 830-914-2803 x 110.

## **ACHIEVE TEXAS**

The Texas Education Agency, through the Achieve Texas program recommends the following career clusters that students may choose as a career path that will lead to post-secondary decisions. Clusters offered at Marion High School include Agriculture, Food and Natural Resources, Arts, A/V, Technology and Communications, Health Science, Human Services, Manufacturing and STEM.

## **ENDORSEMENTS OFFERED AT MARION HIGH SCHOOL**

Entering ninth-graders must choose and specify in writing which endorsement they intend to pursue. All endorsements require students to earn a fourth math and science credit as well as two additional advanced electives as part of their coherent sequence of courses.

- STEM—Science, Technology, Engineering and Math. This endorsement requires 26 credits, to include Algebra II, Chemistry and Physics. A student who pursues STEM at MHS will complete either 4 credits in science to include Chemistry, Physics and two additional advanced science courses; or three math credits to include Algebra II and two additional math credits for which Algebra II is a prerequisite.
- B & I—Business and Industry. This endorsement requires 26 credits and a coherent sequence of 4 courses, including 2 advanced courses from the same career cluster. These endorsements include: in Agriculture-- Plant and Animal Systems, Welding and Agribusiness; in Arts, Audio Visual, Technology and Film—Journalism, Digital Media, Graphic Design, and Animation; Business/Marketing, and Manufacturing (Alamo Academies)
- A & H—Arts and Humanities. This endorsement requires 26 credits and a coherent sequence of 4 courses, including 2

advanced courses from the same career cluster. These endorsements include: Performing Arts, Visual Arts, and Cultural Studies (languages other than English).

- Public Service—This endorsement requires 26 credits and a coherent sequence of 4 courses, including 2 advanced courses from the same career cluster. This endorsement includes the CNA program and the culinary arts pathway.
- Multidisciplinary Studies. This endorsement requires 26 credits to include four credits in each of the four core subject areas including English IV and Chemistry and/or Physics.

#### **SECTION 504 SERVICES**

Section 504 of the Rehabilitation Act of 1973 prohibits discrimination and assures that students with disabilities have educational opportunities and benefits equal to those provided to nondisabled students. Eligible students are regarded as having a physical or mental impairment which substantially limits one or more major life activities, including learning, self-care, walking, seeing, hearing, speaking, breathing, working, and performing manual tasks. Questions may be directed to Section 504 Coordinator, Daniel Terrazas, Director of Federal Programs at 211 W. Otto, Marion, TX 78124, 830-914-2803 x 110.

#### **AUDITORY ASSISTANCE**

Auditory assistance is available to parents and students by contacting the principal's office or the school counselor's office during school hours. 48 hours notice is necessary to acquire proper interpretation services.

## **ENGLISH**

### **2001 English I**

1.0 Credit

Grade Level: 9

English I emphasizes theme, form, point of view, and character study in all types of literature, including a Shakespearean play. Writing grows out of reading with emphasis on expository, persuasive, and descriptive writing in paragraph form. The thesis sentence is introduced. Vocabulary development is stressed. There is a review of basic grammar with concentration on sentence variety, especially through the use of subordinate clauses. Basic research skills are reviewed and practiced. Must meet EOC requirements in order to earn a HS diploma

### **2021 Pre-DC English I**

1.0 Credit

Grade Level: 9

Prerequisite: Met standard on 8th grade Reading test, completion of summer project.

The course will cover all English I topics in greater detail, preparing students for Dual Credit English courses. Summer projects will be a requirement. See instructor for more information. Must meet EOC requirements in order to earn a HS diploma

### **2002 English II**

1.0 Credit

Grade Level: 10

English II incorporates the study of literature, writing, and grammar. Reading skills and higher level thinking skills are emphasized. The literature is studied by distinctive styles to encourage a comprehensive understanding of the types of literature. The process of writing, correct grammar mechanics, usage skills and vocabulary are continued from English I. Must meet EOC requirements in order to earn a HS diploma

### **2022 Pre-DC English II**

1.0 Credit

Grade Level: 10

Prerequisite: Met standard on English 1 EOC and successful completion of Summer Project.

The course will cover all English II topics in greater detail, preparing students for Dual Credit English courses. Summer project will be a requirement. Must meet EOC requirements in order to earn a HS diploma.

### **2003 English III**

1.0 Credit

Grade Level: 11

The junior English course focuses on the works of American authors from the Colonial Period into the twentieth century, including nonfiction, short stories, novels, plays, and poems. A review of grammar and usage centers upon correcting weaknesses found in the students' writings. The course continues to emphasize vocabulary development and introduces basic research techniques, resulting in a research paper. Coherent, clear, and effective communication is developed through a variety of writing experiences.

### **2009 College Prep English IV**

1.0 Credit

Grade Level: 12

Prerequisite: Must have English I,II and III credit

This college preparatory course is designed for senior students who have passed English II EOC, but have not yet met ELA college-ready criteria. Upon successful completion of this course, the student will receive a TSI exempt status and may enter an entry-level college credit bearing English course at partnering institutions (Alamo Colleges and UTSA) without remediation. English IV College Prep includes extensive composition and language practice, with a focus on expository and persuasive writing, as well as inquiry and research.

**2005** English III Dual Credit ENGL 1301 (Fall Sem)

0.5 Credit (3 credit hours PAC)

Grade Level: 11

Required: Admission to PAC Dual Credit Program

Principles and techniques, which may include documentation, of written, expository, and persuasive composition; analysis of literary, expository, and/or persuasive texts; emphasis on critical thinking.

**2005** English III Dual Credit ENGL 1302 (Spring Sem)

0.5 Credit (3 credit hours PAC)

Grade Level: 11

Prerequisite: College Grade of "C" or better in English 3 Dual Credit in Fall Semester.

Principles and techniques of written, expository, and persuasive composition; analysis of literary, expository, and/or persuasive texts; emphasis on critical thinking.

**2004** English IV

1.0 Credit

Grade Level: 12

Prerequisite: English I, II, III

In English IV, students will engage in activities that build on their prior knowledge and skills in order to strengthen their reading, writing, and oral language skills. Students should read and write on a daily basis.

**2006** English IV Dual Credit ENGL 2322 (Fall Sem)

0.5 Credit (3 credit hours PAC)

Grade Level: 12

Prerequisite: College GPA of 2.0 or better in English 3 Dual Credit

This course is a survey of British Literature from its Anglo-Saxon beginnings through the restoration and the eighteenth century.

**2006** English IV Dual Credit ENGL 2323 (Spring Sem)

0.5 Credit (3 credit hours PAC)

Grade Level: 12

Prerequisite: College GPA of 2.0 or better in English 3 Dual Credit and English 4 Dual Credit Fall Semester

Selected significant works of British literature the Romantic Period to the present. May include study of movements, schools, and/or periods. This is a writing intensive course that requires a written research project.

**2007** Literary Genres

0.5 Credit

Grade Level: 12

Prerequisite: Previously attained TSI exempt status and English I, II and III credit.

Literary Genres is a course dealing with general literary skills. The student will be provided opportunities to distinguish among denotative, connotative and figurative language. The student will work with symbolism, imagery, tone, mood, irony and style in all genres. The student will recognize universal themes and point of view and will develop and apply criteria for evaluation of literary works. The student will work with poetry, short stories and drama as three major genres of literature and will be able to work with the skills required for each genre.

**2020** Practical Writing Skills

1 Credit

Grade Level: 10

Prerequisite:

This course emphasizes skill in the use of conventions and mechanics of written English, the appropriate and effective application of English grammar, the reading comprehension of informational text, and the effective use of vocabulary.

Students are expected to understand the recursive nature of reading and writing. Evaluation of students' own writing as well as the writing of others ensures that students completing this course are able to analyze and evaluate their writing.

### **2010** Research and Technical Writing Skills

1 Credit

Grade Level: 11 & 12

This rigorous composition course asks high school students to skillfully research a topic or a variety of topics and present that information through a variety of media. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop and apply criteria for effective writing, and set their own goals as writers.

### **2023** Debate

1 Credit

Grade Level: 9-12

This course emphasizes controversial issues arise in aspects of personal, social public, and professional life in modern society. Debate and argumentation are widely used to make decisions and reduce conflict. Students who develop skills in argumentation and debate become interested in current issues, develop sound critical thinking, and sharpen communication skills. They acquire life-long skills for intelligently approaching controversial issues.

### **2024** Journalism

1 Credit

Grade 9-12

In Journalism, students are expected to write in a variety of forms and for a variety of audiences and purposes. Students will become analytical consumers of media and technology to enhance their communication skills. Published work of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Journalism will learn journalistic traditions, research self-selected topics, write journalistic texts, and learn the principles of publishing.

## **MATHEMATICS**

### **2040** Algebra I

1.0 Credit

Grade Level: 9

Prerequisite: 8th grade math

Algebra I is the foundation course in the formal mathematics sequence. Topics include real numbers, operations with algebraic expressions, solving variable equations and inequalities, factoring polynomials, radicals, exponents, scientific notation, functions, and solving real world problems. Must meet EOC requirements in order to earn a HS diploma

### **2046** Geometry

1.0 Credit

Grade Level: 10

Geometry includes basic concepts of plane, solid, and coordinate geometry. The topics to be studied will include perpendicular and parallel lines, congruency and similarity of plane figures, relationships between angles in plane figures, arcs and segments in circles, area of plane figures, volume of solid figures and the structure and reasoning processes of formal proof.

**2047 Algebra II**

1.0 Credit

Grade Level: 11-12

Algebra II is the study of functions (linear, quadratic, exponential, rational, irrational, and multi-variable). Number system concepts and theories are related to functional relationships. Concepts in conic sections, complex numbers, sequences and series and operations will be explored. This course is required for the Distinguished Level of Achievement.

**2049 College Prep Math**

1.0 Credit

Grade Level: 12

Prerequisite: Algebra 2 and met standard on Algebra I EOC

This college preparatory course is designed for senior students who have passed Algebra I EOC, but have not yet met Math college-ready criteria. Upon successful completion of this course, the student will receive a TSI waiver and may enter an entry-level college credit bearing Math course at partnering institutions (Alamo Colleges and UTSA) without remediation

**2053 Pre-AP Geometry**

1.0 Credit

Grade Level: 9

Prerequisite: Algebra I, met standard on Algebra 1 EOC

Pre-AP Geometry will take a greater and more expanded look at the basic concepts of geometry. This course will help to prepare students for the upper level math track of Pre-AP Algebra 2, Pre-Calculus and Calculus AP and is required for the STEM endorsement

**2052 Pre-AP Algebra 2**

1.0 Credit

Grade Level: 10

Prerequisite: Algebra 1 and Geometry, met standard on Algebra 1 EOC

Algebra 2 Pre-AP will study functions (linear, quadratic, exponential, rational, irrational, and multi-variable). Number system concepts and theories are related to functional relationships. Concepts in conic sections, complex numbers and operations will be explored. The course will help to prepare students for Pre-Calculus and Calculus AP and is required for the STEM endorsement. This course is required for the Distinguished Level of Achievement

**2048 Pre-Calculus**

1.0 Credit

Grade Level: 11-12

Prerequisite: Algebra 1, Geometry, Algebra 2, met standard on Algebra 1 EOC

This course provides a study of relations and functions with their graphs. Functions included in the study are polynomial, rational, radical, exponential, and logarithmic. It also provides a study of circular trigonometric functions and their properties and applications, complex numbers, vectors, sequences, series, and second-degree relations.

**2050 Pre-AP Pre-Calculus**

1.0 Credit

Grade Level: 11 and 12

Prerequisite: Algebra 1, Pre AP Geometry, Pre AP Algebra 2

This course provides an in-depth study of relations and functions with their graphs. This course will prepare the student for the rigorous pace of AP Calculus and is required for the STEM endorsement.

**2043 AP Calculus**

1.0 Credit

Grade Level: 12

Prerequisite: Pre-Calculus

This course is a rigorous study of the calculus of functions in one variable. Students learn the concepts of differential and integral calculus, including limits, derivatives, definite integrals, and indefinite integrals. There is additional emphasis on applying the concepts in real world situations. Students are required to take the Advanced Placement Exam given by the College Board. Additional fee of approximately \$94.00 is required.

**2045 Mathematical Models with Applications**

1.0 Credit

Grade Level: 11

Prerequisite: Must be taken prior to Algebra II

Mathematical Models with Applications is a two-semester course, which focuses on the connections between mathematics and other areas of study. Students will use mathematical methods to model and solve life-applied problems involving money, data, chance, patterns, music, design, and science. This course may not be taken as a 4th math.

**2044 Statistics**

1.0 Credit

Grade Level: 12

Prerequisite: Algebra I and Geometry

In Statistics, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis.

**2041 Algebraic Reasoning**

1.0 Credit

Grade Level: 10-12

In Algebraic Reasoning, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings 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.

**2051 Independent Studies in Mathematics (Foundations of College Math)**

1.0 Credit

Grade Level: 1

In Independent Study in Mathematics, students will extend their mathematical understanding beyond the Algebra II level in a specific area or areas of mathematics such as theory of equations, number theory, non-Euclidean geometry, linear algebra, advanced survey of mathematics, or history of mathematics.

**3084** Mathematical Applications in Agriculture, Food, Natural Resources **new course 18-19**

1.0 Credit

Grade Level: 11

Prerequisite: Algebra 1, Geometry, and a minimum of one credit in A, F, NR Cluster.

Students acquire technical knowledge in the discipline as well as apply academic skills in mathematics. Students should apply knowledge and skills related to mathematics, including algebra, geometry and data analysis in the context of agriculture, food and natural resources. This course will count as an Advanced Math on Foundation and Endorsement Graduation Plans.

**2042** Financial Mathematics **new course 18-19**

Credit

Grade Level: 11,12

Prerequisite: Algebra II

Students will use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution. Students will select appropriate tools such as real objects, manipulatives, paper and pencil, and technology and techniques such as mental math, estimation, and number sense to solve problems. Students will effectively communicate mathematical ideas, reasoning, and their implications using multiple representations such as symbols, diagrams, graphs, and language. Students will use mathematical relationships to generate solutions and make connections and predictions. Students will analyze mathematical relationships to connect and communicate mathematical ideas. Students will display, explain, or justify mathematical ideas and arguments using precise mathematical language in written or oral communication.

**SCIENCE**

**2027** IPC

1.0 Credit

Grade Level: 9

In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem-solving. This course integrates the disciplines of physics and chemistry in the following topics: motion, waves, energy transformations, properties of matter, changes in matter, and solution chemistry. This is a requirement for the Foundation Plan, an advanced science may substitute.

**2028** Biology

1.0 Credit

Grade Level: 9-10

In Biology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students will study topics such as: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, organs, nucleic acids, and genetics; biological change, taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment. Must meet EOC requirements in order to earn a HS diploma.

**2038** Pre-AP Biology

1.0 Credit

Grade Level: 9

Prerequisite: met standard on 8th grade Science STAAR test

An advanced biology course concerned with the function of all living matter. This course studies the same concepts as Biology, except the presentation is more accelerated and in more detail. Must meet EOC requirements in order to earn a HS diploma. The expectations are to take this course in preparation for AP Biology.

**2031 Chemistry**

1.0 Credit

Grade Level: 10-11

Chemistry is the study of the composition of matter and the changes that it undergoes. This course places emphasis on concepts and supported by concrete evidence. It is laboratory intensive and emphasizes problem solving in both laboratory and lecture settings.

**2037 Pre-AP Chemistry**

1.0 Credit

Grade Level: 10-11

Prerequisite: met standard on Biology EOC

Pre AP Chemistry is an advanced study of the composition of matter and the changes that it undergoes. This course is college preparatory with emphasis on concepts and supported by concrete evidence and recommended for those pursuing the STEM endorsement. It is laboratory intensive and emphasizes problem solving in both laboratory and lecture settings.

**2033 Physics**

1.0 Credit

Grade Level: 11-12

Prerequisite: Algebra 2; may be taken concurrently with Algebra 2.

Mechanics, sound, light, gravitational concepts, electricity, magnetism, and nuclear physics with a genuine understanding of the physical laws fundamental to all sciences will be studied. It is laboratory intensive, and stresses problem solving using mathematical as well as logical sequences.

**2030 Human Anatomy & Physiology (CTE Course)**

Grade Level: 12

1.0 Credit

Prerequisite: 3 Science Credits

This course provides an in-depth study of the human body, and may provide an introductory background for those students who wish to pursue a career in a medical, scientific, or health-related field. The course will study the form (structure) and function of body parts (cells, tissues, organs), complexity of homeostatic mechanisms and the application to one's personal health. Dissection of the cat, and other specimens, is a course requirement and will not be substituted by computer simulations, etc. Under the STEM endorsement, may be taken concurrently with Physics.

**2034 AP Biology**

1.0 Credit

Grade Level: 12

Prerequisite: Biology &amp; Chemistry

This college level course is designed to enrich the knowledge and understanding of Biology for students who plan to continue their science education in college. Major emphasis will be placed on the latest theories and concepts dealing with molecular biology, biochemistry, cellular processes, human genetics and human physiology and anatomy. Students are required to take the Advanced Placement Exam given by the College Board. Additional fee will be required.

**3077 - Advanced Animal Science**

1.0 Credit

Grade Level 12

Prerequisites: a minimum of one credit from Agriculture, Food and Natural Resources cluster.

This course is designed to provide an academically stimulating environment for students wishing to advance their knowledge of animal science. Students will explore animal anatomy and physiology as well careers related to the animal science industry. Comparisons of human and animal systems will be addressed as well as simple veterinary procedures. This class will count as an advanced science course on Foundation and Endorsement Graduation Plans

**2029 Earth and Space Science new course 18-19**

1.0 Credit

Grade Level: 12

Prerequisites: 3 science credits & 3 math

Earth and Space Science (ESS) is a capstone course designed to build on students' prior scientific and academic knowledge and skills to develop understanding of Earth's system in space and time.

**2025 Aquatic Science**

1.0 Credit

Grade Level: 11-12

Prerequisites: two science credits

In Aquatic Science, 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 who successfully complete Aquatic Science 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.

**2032 Environmental Science new course 18-19**

1.0 Credit

Grade Level: 11-12

Prerequisites: 1 life science and 1 physical science

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

**2035 Principles of Technology new course 18-19**

1.0 Credit

Grade Level: 10-12

Prerequisites: One unit of high school science and Algebra I

In Principles of Technology, students 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 laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and characteristics and behavior of waves. Students will apply physics concepts and perform laboratory experimentations for at least 40% of instructional time using safe practices.

## **SOCIAL STUDIES**

### **3006 World Geography**

1.0 Credit

Grade Level: 9

The main emphasis of this course will be on physical geography. The course will include a study of the physical characteristics of our planet and social, economic and political development. The student will be given an opportunity to develop an understanding and appreciation for the discipline of geography, the recognition of geographic settings and terms.

### **3000 U.S. History**

1.0 Credit

Grade Level: 11

This course studies the record of America's history from 1865 to the present. This course is based on the founding documents of the US government, which provides a framework for its heritage. Historical content focuses on the political, economic and social issues related to industrialization and urbanization, major wars, domestic and foreign policies, and reform movements including civil rights. Must meet EOC requirements in order to earn a HS diploma.

### **3002 U.S. History Dual Credit**

1.0 Credit (3 credit hours PAC per semester)

Grade Level: 11

Required: Admission to PAC DC Program

This college level course offered through Palo Alto College earns the student 3 credit hours per semester. This course studies the record of America's history from 1865 to the present. This course is based on the founding documents of the US government, which provides a framework for its heritage. Historical content focuses on the political, economic and social issues related to industrialization and urbanization, major wars, domestic and foreign policies, and reform movements including civil rights. Must meet EOC requirements in order to earn a HS diploma.

### **3003 World History**

1.0 Credit

Grade Level: 10

Emphasis will be placed on significant people, events, and issues from earliest times to present in civilizations around the world to understand evolving processes, and human contact and interactions. Recognizing and understanding cause and effect relationships, multiple causation, trends, themes and interactions, and importance of both change and continuity in shaping human events will be stressed.

### **3007 American Government**

0.5 Credit

Grade Level: 12

Emphasis is placed upon the development and nature of the Constitution of the U.S.; a study of Congress, the Executive Branch and Judicial Branch of government; also rights of the states, political parties, elections, civil rights; local governments in Texas and the Texas Constitution. Activities designed to stimulate students to study motives and various viewpoints and to become wiser, more responsible citizens.

### **3009 American Government Dual Credit (Fall Semester)**

0.5 Credit (3 credit hours PAC)

Grade Level: 12

Prerequisite: Admission to PAC Dual Credit Program

This course is a general survey course in American government covering the theories and concepts of government, the United States Constitution, politics, public opinion, political parties, human rights, and the functions of national, state and local government.

### **3008 Economics with Free Enterprise System**

0.5 Credit

Grade Level: 12

The study of our economic system that is characterized by private and corporate ownership of capital goods, by investments that are determined by private decision rather than by state control, and by prices, production and the distribution of goods that are determined in a free market. Through the use of films, videos, simulations and class activities, the students become knowledgeable consumers and responsible citizens.

### **3010 Principles of Macroeconomics Dual Credit (Spring Semester)**

0.5 Credit

Grade Level: 12

Prerequisite: Admission to PAC Dual Credit Program

Economic analysis of the entire economy is studied. The determination of aggregate income and employment, fiscal policy, operation of the monetary system, short-term income fluctuations, long-term income growth, problems of international trade and finance are all reviewed in this course.

### **3013 Psychology    new course 18-19**

0.5 Credit

Grade Level: 11-12

In Psychology, an elective course, students study the science of behavior and mental processes. Students examine the full scope of the science of psychology such as the historical framework, methodologies, human development, motivation, emotion, sensation, perception, personality development, cognition, learning, intelligence, biological foundations, mental health, and social psychology.

### **3012 Personal Financial Literacy    new course 18-19**

0.5 Credit

Grade Level: 11-12

Personal Financial Literacy will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. The knowledge gained in this course has far-reaching effects for students personally as well as the economy as a whole. When citizens make wise financial decisions, they gain opportunities to invest in themselves, build businesses, consume goods and services in a responsible way, and secure a future without depending on outside assistance. The economy benefits from the optimal use of resources, increased consumption, and strong local businesses. State and local governments benefit with steady revenue streams and reduced future obligations as our society ages. This one-half elective credit course includes instruction in methods of paying for college and other postsecondary education and training along with completing the application for federal student aid provided by the U.S. Department of Education.

## **PHYSICAL EDUCATION**

**2075** Foundations of Personal Fitness

**2076** PE--Aerobic Activities

**2077** PE—Individual and Team Sports

**2079** PE—Outdoor Activities

1.0 Credit each, with no more than 4 counting toward graduation.

Grade Level: 9-12

These courses combine conditioning exercises and lifetime sports. Conditioning exercises are designed to maintain and improve a student's level of physical fitness. Fundamental instruction and practice in skill techniques focus upon the development of skills and knowledge involving sports that may be enjoyed throughout adult life. Some of these are basketball, volleyball, softball and tennis.

- 2111** 9th grade Boys Athletics
- 2112** 10th grade Boys Athletics
- 2113** 11th grade Boys Athletics
- 2114** 12th grade Boys Athletics

1.0 Credit

Grade Level: 9-12

Requirement: Must participate in a team sport at Marion High School.

This course includes football, basketball and baseball. The basic skills and fundamentals of each of these sports are taught. Team concepts and team goals are stressed over individual achievements. Those students not participating in the sport being played in the season will participate in off-season exercise. Those students playing football will attend August workouts. Those students dropping athletics in the fall season will not be able to participate in spring athletics. Those students that drop athletics in the spring season will not be able to participate in athletics the following fall/spring season. A physical is required at the student's expense.

- 2101** 9th grade Girls Athletics
- 2102** 10th grade Girls Athletics
- 2103** 11th grade Girls Athletics
- 2104** 12th grade Girls Athletics

1.0 Credit

Grade Level: 9-12

Requirement: Must participate in a team sport at Marion High School

This course includes basketball, volleyball and softball. The basic skills and fundamentals of each of these sports are taught. Team concepts and team goals are stressed over individual achievements. Those students not participating in the sport being played in the season will participate in off-season exercise. Those students playing volleyball will attend August workouts. Those students dropping athletics in the fall season will not be able to participate in spring athletics. Those students that drop athletics in the spring season will not be able to participate in athletics in the following fall/spring season. A physical is required at the student's expense.

- 2106** 9th grade Student Athletic Training Practicum
- 2109** 10th grade Student Athletic Training Practicum
- 2110** 11th grade Student Athletic Training Practicum
- 2105** 12th grade Student Athletic Training Practicum

1.0 Credit

Requirement: Application process in place.

These courses are designed for students who are interested in assisting with the Sports Medicine Program. This program requires a full year commitment of assisting the Athletic Trainer with various sports practices and games. Application process must be followed.

## **FINE ARTS**

**2056/2156 (PE Credit)** Band 1

**2057/2157 (PE Credit)** Band 2

**2058** Band 3

**2059** Band 4

1.0 Credit

Grade Level: 9-12

The band program is designed to develop students with previous experience on band instruments to their full potential as ensemble players. The band experience includes a thorough review of the basics of wind and/or instrumental performance and further development of these to the high levels of technical skill. Music theory and musicology are treated as they are pertinent to the literature being studied. Performance outlets are many and varied and include marching field band, parade band, concert band, and chamber music for solo or small ensembles. Literature of all

periods, styles, and national origins is studied, with particular attention to original music for the wind band. During marching season band students are required to attend marching practice before school every day and a full band music rehearsal on a designated night. After marching season, additional rehearsals will be scheduled as needed prior to contests, parades, etc. Students will be placed into appropriate sections for daily instruction based on instrumentation needs and skill level of the student. The fall semester of Band can count as a Physical Education credit.

**2159 Applied Music II**

**2060 Applied Music III**

**2061 Applied Music IV**

1.0 Credit

Grades: 11-12

Prerequisite: Band 1, Band 2, concurrent enrollment in Band3/ Band 4

Applied Music is offered as an advanced elective in the Arts & Humanities endorsement. Students must participate in required contests as stated by instructors. Students must have concurrent enrollment in the traditional band class.

**2080 Theatre Arts I**

1.0 Credit

Grade Level: 9-12

Theatre Arts studies principles of acting and begin to understand theatrical conventions dealing with time and setting. Theatre Arts students learn essential skills, techniques, and a process of script analysis to create believable characters. Students explore dramatizations and scenes from a variety of historical periods and cultures.

**2081 Theatre Arts II**

**2082 Theatre Arts III**

**2083 Theatre Arts IV**

1.0 Credit

Grade Level: 9-12

Prerequisite: Theater Arts I

This course is a continuation of Theater Arts I, with emphasis on character development, voice, diction and body control.

**2062 Technical Theatre I**

**2162 Technical Theatre II**

1.0 Credit

Grade Level:

Prerequisite: Theatre Arts I and II, or Theatre Production I and II

Through diverse forms of theatrical production, students will exercise and develop creativity, intellectual curiosity, critical thinking, problem-solving and collaborative skills. The areas of study include design and construction for all areas of technical theatre (costumes, make-up, set, properties, lighting, sound and new media)

**2063 Theatre Production 1**

**2064 Theatre Production 2**

**2065 Theatre Production 3**

**2066 Theatre Production 4**

1.0 Credit

Grade Level 10-12

Prerequisite: audition required

This course is a co-curricular laboratory for exploration, development, and synthesis of all elements of theatre. Practical hands-on experience in acting and stagecraft are provided. Scheduling appropriate for the successful production of class is determined locally. Although the course meets during regularly scheduled class periods, scope of activities will require more time. Course will meet outside of regular school hours with REQUIRED rehearsals scheduled during production times.

**2067 Art I**

1.0 Credit

Prerequisite – None

Grade Level: 8, 9

This course is designed to give students a basic understanding and appreciation for Art as it will be encountered on the high school level and beyond. Art I, and the other art courses offered, will give students the background necessary to appreciate visual art, participate in the creation of visual art, or seek further training for a career in the visual arts. Art I as well as the other art courses, is planned to meet the needs of students of all artistic ability levels.

**2068 Art II**

1.0 Credit

Grade: 10, 11, 12

Prerequisite: Successful completion of Art I.

This studio course is planned so that students will learn additional techniques and creative thought processes as well as new applications for the skills and concepts learned in Art I. The content of Art II will focus on the understanding and use of various aspects of two and three-dimensional art and art history, and may include drawing, painting, sculpture, print making and pottery. Some of the materials and techniques that may be included are acrylic paint, drawing, ceramic sculpture, screen-printing, block printing and hand-built pottery.

**2069 Art III**

1.0 Credit

Grade: 10, 11, 12

Prerequisite: Successful completion of Art II.

Emphasis in this class is on the student developing existing skills and creativity in the areas mentioned in Art I and Art II.

**2070 Art IV**

1.0 Credit

Grade: 10, 11, 12

Prerequisite: Successful completion of Art III

This studio course will require that students play a large role in setting the educational goals that are necessary for their continued growth in the visual arts. The semester will be divided into segments of time when the focus will be in a general area of art, for example, pottery, drawing, painting, collage, printmaking and sculpture. Specific goals and assignments will be worked out on an individual basis between student and instructor. New techniques will be taught, and creative exploration of ideas and techniques will be strongly encouraged. Student progress will be continually monitored in this studio course, and individual evaluations of student progress will be done as necessary. At the end of every marking period, each student will submit a portfolio of work, which will be graded. Grading is based on the student's progress towards learning, and creative application of skills.

**2074 AP Art**

1.0 Credit

Grade Level: 11-12

Prerequisite: Coherent Sequence of Courses

Students will create a portfolio that will be presented to the College Board. The student may submit either a drawing, 2-D, or 3D portfolio. The portfolios will consist of quality, breadth, and concentration sections. If the student scores a suitable score they will receive college credit for a Drawing 1 or Design 1 course at the college level. This course is a college level course and will be accomplished by independent projects supervised by the instructor. Course may only be taken once. Students are required to participate in AP Art Exam. Additional fee is required.

**2071 Art II/Photography I**

1.0 Credit

Grade: 11-12

Prerequisites: Art I

This year long course in digital photography introduces students to the Elements of Art and Principles of Design needed for creating photographs: including basic layout and design, color theory, shape, form and composition. This course will familiarize the student with digital photographic equipment, software, materials, and methods through hands-on practice. Students will be exposed to the history of photography and photographers by studying and emulating a variety of photographic styles.

**2072 Art III/Photography II****2073 Art IV/ Photography III**

1.0 Credit

Grade: 11-12

Prerequisite: Art I &amp; Art Photo I/II

This course provides students who have successfully completed Photography I, an opportunity to further develop their photography skills. This course explores the study of aesthetic and technical theories and techniques of digital photography. It also emphasizes the development of a related body of work demonstrating the student's personal photographic vision. Explores advanced digital camera and image editing software techniques. Development of a portfolio is required. Course requires a digital camera. Photo III is a project based course with a portfolio requirement.

**3080 Principles and Elements of Floral Design**

1.0 Credit

Grade Level: 10-12

Prerequisite: at least one credit in Agriculture cluster preferred.

Students need to attain academic skills and knowledge as well as technical knowledge and skills related to horticultural 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 and technologies in a variety of settings. This course is designed to develop students' 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. This course will satisfy the Fine Arts requirement necessary for graduation.

**3079 Advanced Floral Design**

1.0 Credit

Grade Level: 10- 12

Prerequisite: third course in coherent sequence

In this course, students build on the knowledge from the Floral Design course and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning. This course focuses on building skills in advanced floral design and providing students with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event.

**LANGUAGES OTHER THAN ENGLISH****3015 Spanish I**

1.0 Credit

Grade Level: 9-11

This course is an introduction to the Spanish language that uses the natural approach to language acquisition. The focus of Spanish I is to understand the Spanish language in spoken form. New vocabulary and grammar basics are included in this course as a way of explaining why we say things the way we do in Spanish. Through the imitation, repetition, and

analysis of specified sentences, students are expected to acquire accurate pronunciation and habits of correct usage of the fundamental patterns of Spanish. Through variation of these sentences in pattern drills, extensive question-answer drills, and situational contexts, the students are guided to express their own thoughts. As the skills of aural comprehension and speaking are strengthened, students learn to read and write what they can say. At the end of Level 1, they should possess the ability to engage in simple conversations, understand simple conversations, and coherently express themselves within the limitations of their knowledge of vocabulary and structure.

### **3016 Spanish II**

1.0 Credit

Grade Level: 9-12

Prerequisite: Spanish I

This course is a second level Spanish course that uses the natural approach to language acquisition. The focus of Spanish II is to be able to express yourself in the Spanish language through verbal and written forms. New vocabulary and grammar basics are included in this course as a way of explaining why we say things the way we do in Spanish. Development of the communicative skills introduced in Level 1 continues to be the aim of the Level 2 course. Emphasis is placed upon expansion of vocabulary, while at the same time stressing reinforcement of accurate and fluent use of the structural elements of Spanish, both in spoken and written form. To achieve this objective, the student is guided through reading, discussion, and personal application of dialogues, as well as longer narratives. These materials, based upon the everyday activities of Spanish-speaking people, give the student some insight into Spanish and Spanish-American attitudes and interests.

### **3017 Spanish III**

1.0 Credit

Grade Level: 11-12

Prerequisite: Spanish II

This course is a third year Spanish course that uses the natural approach to language acquisition. The focus of Spanish III is to be able to express yourself in the Spanish language through verbal and written forms as well as to learn to appreciate literature in Spanish. New vocabulary and grammar basics are included in this course as a way of explaining why we say things the way we do in Spanish. Spanish III is planned to continue the basic skills of communication. A proportional emphasis on each skill is maintained with the listening and speaking skills from the previous levels remaining central. Reading and writing skills are extensively developed with the use of short stories by contemporary writers. Composition is guided. Reinforcement of structure and vocabulary is accomplished through the directed composition, the reading selections serving as a basis for an accurate manipulation of the patterns of the language. This course is required for a Cultural Studies endorsement.

### **3018 AP Spanish Language and Culture    new course SY 18-19**

1.0 Credit

Grade Level: 11-12

Prerequisite: Spanish III

The AP Spanish Language and Culture courses prepares and assesses students' proficiencies in the interpersonal, interpretive, and presentational modes of communication. As much as possible, students read and listen to authentic texts from the Spanish-speaking world throughout the exam. Student is required to sit for AP exam. AP Exam fee is approximately \$94.00.

## **CAREER AND TECHNICAL EDUCATION (CTE)**

For the below courses, please see each coherent sequence of courses for guidance. Courses may not be offered every year due to staffing and student requests.

### **Agriculture, Food, & Natural Resources Cluster**

#### **3070 Principles of Agriculture, Food and Natural Resources (Leadership Option)**

1.0 Credit

Grade Level : 9—first course in coherent sequence

This course prepares students for careers in agriculture, food, and natural resources. Students must attain academic skills and knowledge in agriculture, allowing students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. Students will have opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings. Activities are designed to familiarize the student with most aspects of agriculture including: careers, record keeping, FFA, leadership, animal and plant sciences, natural resources, food and fiber systems and basic metals. Students must participate in LDE and CDE contests.

#### **3071 Principles of Agriculture, Food and Natural Resources (Ag Mech Option)**

1.0 Credit

Grade Level : 9—first course in coherent sequence

This course prepares students for careers in agriculture, food, and natural resources. Students must attain academic skills and knowledge in agriculture, allowing students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. Students will have opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings. This course leads into the Ag Mechanics pathway.

#### **3073 Principles of Agriculture, Food and Natural Resources (Plant/Animal option)**

1.0 Credit

Grade Level: 9—or first course in coherent sequence

This course prepares students for careers in agriculture, food, and natural resources. Students must attain academic skills and knowledge in agriculture, allowing students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. Students will have opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings.

#### **3074 Food Processing**

1.0 Credit

Grade Level: 11-12

Prerequisite: Principles of AFNR

Students acquire technical knowledge and skills related to natural resources and the workplace and develop knowledge and skills regarding career opportunities, entry requirements and industry expectations. This course focuses on the food processing industry with special emphasis on the handling, processing and marketing of food products. Student must pass safety test with 100% mastery.

#### **3075 Food Technology and Safety**

1.0 Credit

Grade Level: 11-12 third course in coherent sequence.

Prerequisite: Principles of AFNR

Students acquire technical knowledge and skills related to value-added and food processing and the workplace and develop knowledge and skills regarding career opportunities, entry requirements and industry expectations. This course examines the food technology industry as it relates to food production, handling and safety. Student must pass safety test with 100% mastery.

**3099 Food Processing/Agricultural Laboratory and Field Experience    new course 18-19**

2.0 Credits

Prerequisite: Food Processing, Food Technology and Safety

Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. To prepare for careers in agriculture, food and natural resources, students must attain academic skills and knowledge, acquire technical knowledge and skills related to 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 and technologies in a variety of settings.

**3065 Principles of Human Services    new course SY 18-19**

1.0 Credit

Principles of Human Services is a laboratory course that will enable students to investigate careers in the Human Services Career Cluster, including counseling and mental health, early childhood development, family and community, personal care, and consumer services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers

**3066 Dollars & Sense        to be added SY 19-20**

0.5 credit

Prerequisite: Principles of Human Services

Dollars and Sense focuses on consumer practices and responsibilities, money-management processes, decision-making skills, impact of technology, and preparation for human services careers.

**3067 Lifetime Nutrition & Wellness    to be added SY 19-20**

0.5 credit

Prerequisite: Principles of Human Services

Lifetime Nutrition and Wellness is a laboratory course that allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences.

**3068 Culinary Arts    to be added SY 2010-2021**

2.0 credits

Prerequisites: Principles of Human Services, Dollars & Sense, Lifetime Nutrition & Wellness

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 or other appropriate industry certifications. This course is offered as a laboratory-based course.

**3069 Practicum in Culinary Arts    to be added SY 2021-2022**

2.0 Credits

Prerequisites: Culinary Arts

Practicum in Culinary Arts is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace.

### **3076 Professional Standards in Agribusiness**

1.0 Credit

Grade Level : 10

Prerequisite: second course in coherent sequence for agribusiness endorsement

This course is designed to develop leadership, citizenship and cooperation skills. It includes lessons in personal development, employee/employer relations and group and interpersonal communication skills. Members of this class will be required to participate on FFA leadership development teams as part of the curriculum.

### **3083 Energy & Natural Resource Technology**

1.0 Credit

Grade Level: 10-12

Prerequisite: Principles of AFNR

This course is designed to explore the interdependency of the public and natural resource systems related to energy production. Renewable, sustainable, and environmentally friendly practices will be explored. To be prepared for careers in the field of energy and natural resource systems, students need to attain academic skills and technical knowledge and skills related to energy and natural resources and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

### **3078 Wildlife, Fisheries and Ecology Management**

1.0 Credit

Grade Level: 10- 12

Prerequisite: Principles of AFNR—second course in coherent sequence

A technical course designed to examine the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources. Hunter safety certification and wildlife judging opportunities are offered in this class

### **3079 Advanced Floral Design**

1.0 Credit

Grade Level: 10- 12

Prerequisite: third course in coherent sequence

In this course, students build on the knowledge from the Floral Design course and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning. This course focuses on building skills in advanced floral design and providing students with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event.

### **3081 Agricultural Mechanics & Metal Technologies replaces Ag Fab**

1.0 Credit

Grades: 10-12

Prerequisite: Principles of Agriculture, Food, and Natural Resources

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 metal working 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.

### **3085 Agricultural Structures Design and Fabrication new course SY 18-19**

Grade: 11-12

Prerequisite: Agricultural Mechanics and 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.

**3086 Agricultural Power Systems new course SY 18-19**

2.0 Credits

Grade: 12

Prerequisite: Principles of Agriculture, Food, and Natural Resources.

Agricultural Power Systems is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery. 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, update structural, and technical agricultural systems and the workplace; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations.

**3092 Welding I**

1.0 Credit

Grade Level: 11-12; third course in coherent sequence

Through the methods of lecture/discussion, films and demonstration, the student will be introduced to electric and gas welding and cutting. The student will be provided with the fundamental principles of joining ferrous and non-ferrous metals, welding and cutting processes, equipment operation, and safety procedures. The student will develop the skills to safely use oxy-acetylene cutting equipment and the skills to use the Shielded Metal Arc Welding (SMAW) process in all positions.

**3093 Welding II**

2.0 Credit

Grade Level: 12

Prerequisite: satisfactory completion of Welding I

The student will be assigned independent studies to compete for purpose of gaining the abilities to fabricate, solve problems, and further develop the skills learned in the Welding I course. This is a two hour course. OSHA certification may be obtained.

**3094 Practicum in Agriculture, Food and Natural Resources I 11th grade**

**3095 Practicum in Agriculture, Food and Natural Resources II 12th grade**

**2089 Practicum in Agriculture, Food and Natural Resources I- Plant/Animal/Wildlife 12<sup>th</sup> grade new course SY 18-19**

1.0 Credit/ 2.0 Credits

Grade Level: 11, 12

Prerequisite: third and fourth course in coherent sequence.

This course is designed to provide an opportunity for students to apply multiple skills to plan and conduct research including applying scientific methods of investigations, data collection and data analysis. The student's ability to utilize a variety of resources, technologies and communication skills will be demonstrated. Members of this class will be expected to participate on FFA leadership development teams as part of the curriculum.

**3096 Livestock Production**

1.0 Credit

Grade Level : 10-12

Prerequisite: Principles of AFNR

A study of the operational methods of livestock production utilized in the breeding and managing of beef and dairy cattle, swine, sheep, and goats. Emphasis is on economically important traits, animal selection, marketing and management, and on the economic principles of the livestock industry. Additional topics covered in this course: the impact of biotechnology on livestock, genetic defects, body conditioning, scoring techniques within species, and current domestic and global trends in livestock production.

### **3097 Equine Science**

0.5 Credit

Grade Level: 10-12

Prerequisite: Principles of AFNR

The care and management of horses has developed into Equine Science, a multi-million dollar industry. The course will help the novice and the student who is already active in the horse industry to learn selection, nutrition, reproduction health, judging and management of horses, donkeys and mules.

### **3098 Small Animal Management**

0.5 Credit

Grade level: 10-12

Prerequisite: Principles of AFNR

This course will prepare students for careers in the field of animal science. Students need to acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, and industry expectations. Small animals that may be included in the course of study include, but are not limited to small mammals, amphibians, reptiles, avian, dogs and cats.

### **Health Science Cluster**

#### **3060 Health Science Theory new course 18-19**

1.0 Credits

Prerequisites: NONE

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development.

#### **3061 Medical Terminology new course 18-19**

1.0 Credits

Prerequisite: Principles of Health Science

The Medical Terminology course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology. (4) To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others.

#### **3062 Practicum in Health Science Year 1 to be offered SY 19-20**

#### **3063 Practicum in Health Science Year 2 to be offered SY 20-21**

2 credits each year

Grade: 12

The Practicum in Health Science course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. This course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. This practicum is specific to CNA and will be expected to sit for the state CNA certification exam. The course is rigorous and follows a very strict schedule to meet the state regulations. Students may be required to pass a safety test(s) demonstrating 100% mastery before being allowed to participate in lessons that require use of equipment or tools. Students must have health insurance; meet special immunization requirements; and pass a criminal background check to allow them to work with patients in a clinical setting. A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills. There is a certification test at the end of this course.

**3065 Principles of Human Services    new course 18-19**

1.0 Credits

Principles of Human Services is a laboratory course that will enable students to investigate careers in the Human Services Career Cluster, including counseling and mental health, early childhood development, family and community, personal care, and consumer services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.

**3066 Dollars & Sense    to be offered SY 19-20**

0.5 Credits

Prerequisite: Principles of Human Services

Dollars and Sense focuses on consumer practices and responsibilities, money-management processes, decision-making skills, impact of technology, and preparation for human services careers.

**3067 Lifetime Nutrition & Wellness    to be offered SY 19-20**

0.5 Credits

Prerequisite: Principles of Human Services

Lifetime Nutrition and Wellness is a laboratory course that allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences.

**3068 Culinary Arts    to be offered SY 19-20**

1.0 Credits

Prerequisites: Principles of Human Services, Dollars & Sense, Lifetime Nutrition & Wellness

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 or other appropriate industry certifications. This course is offered as a laboratory-based course.

**3069 Practicum in Culinary Arts    to be offered SY 20-21**

2.0 Credits

Practicum in Culinary Arts is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace.

**Arts, A/V, Technology and Communications Cluster**

**4001 Principles of Arts, A/V Technology and Communications**

1.0 Credit

Grade Level: 9-12 First course in coherent sequence

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. This course is the first in the coherent sequence of courses for Business & Industry endorsements.

**4102 Animation**

1.0 Credit

Grade Level: third course in coherent sequence

This course allows students to create animation projects using principles of design to combine graphics, images and sound. A variety of techniques will be explored.

**4103 Animation II**

1.0 Credit

Grade Level: fourth course in coherent sequence

This project based course provides students the opportunity to expand upon the animation knowledge and skills mastered in the first animation course.

**4111 Graphic Design and Illustration II**

1.0 Credit

Grade Level: second course in coherent sequence

This course is designed to span all aspects of the advertising and visual communication industries. Within this context students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of design, visual art and graphic design and illustration.

**3134 Yearbook I****3135 Yearbook II**

1.0 Credit

Grade Level: 11-12

Prerequisite: Graphic Design

This course is for students who are interested in creating the Marion High School Yearbook. Students will study layouts and design techniques to create and design pages for production. A variety of software such as Adobe PhotoShop, Microsoft Publisher, Microsoft Word and Excel and Jostens Publisher's Design Program will be used. Designing and creating the Marion High School Yearbook is a year-long project.

**4112 Graphic Design and Illustration II**

1.0 Credit

Grade Level: third course in coherent sequence

This course provides students with the opportunity to develop an advanced understanding of all aspects of the advertising and visual communications industries. Students will develop advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career field.

**4113 Practicum in Graphic Design and Illustration**

2.0 Credits

Grade Level: fourth course in coherent sequence

This course is a supervised project-based class where students will apply knowledge and skills from previous graphic design courses in a related advanced field of study. Students are required to submit a formal project plan within 15 school days after enrollment in the course.

**4114 Practicum in Animation**

1.0 Credit

Grade Level: 12

Prerequisites: Animation I, Animation II

Careers in animation span all aspects of the arts, audio/video technology, and communications industry. Building upon the concepts taught in Animation II and its corequisite Animation II Lab, 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 increasing understanding of the industry with a focus on applying pre-production, production, and post-production animation products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

**4101 Video Game Design new course 18-19**

1.0 Credit

Grade Level:10-12

Prerequisite: Principles of Art, Audio Visual Technology, and Communications

Video Game Design will allow students to explore one of the largest industries in the global marketplace and the new emerging careers it provides in the field of technology. Students will learn gaming, computerized gaming, evolution of gaming, artistic aspects of perspective, design, animation, technical concepts of collision theory, and programming logic. Students will participate in a simulation of a real video game design team while developing technical proficiency in constructing an original game design.

**4002 Audio/Video Production I**

1.0 Credit

Grade Level: 10-12

Prerequisites: Principles of Art, Audio Visual Technology, and Communications

A Recommended corequisite: Audio/Video Production I Lab. Students shall be awarded one credit for successful completion of this course. Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on preproduction, production, and post-production audio and video products.

**4003 Audio/Video Production II**

1.0 Credit

Grade Level: 11,12

Prerequisites: Audio/Video Production I

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production, in addition to developing advanced 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 pre-production, production, and post-production products. This course may be implemented in an audio format or a format with both audio and video.

**4004 Practicum in Audio/Video Production**

2.0 Credits

Grade Level: 12

Prerequisites: Audio/Video Production II

Students shall be awarded two credits for successful completion of this course. A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills. This course may be implemented in an advanced audio/video or audio format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

**Alamo Academies:** Students must apply to be admitted to program as per Alamo Academies admission requirements.

**5100** ADVPM—Manufacturing Year 1

**5101** MANUENG—Manufacturing Year 2

**5200**—RESITSOL—ITSA Year 1

**5201** RESITSO2—ITSA Year 2

## **Business/Marketing Cluster**

### **4200 Principles of Business, Marketing and Finance**

1.0 Credit

Grade Level: 9-12

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

### **4201 Advertising**

0.5 Credit

Grade Level: 10-12

Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, cultural, ethical, and legal issues of advertising, historical influences, strategies, media decision processes as well as integrated marketing communications, and careers in advertising and sales promotion. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge.

### **4202 Sports and Entertainment Marketing**

0.5 Credit

Grade Level: 10-12.

Prerequisite: Principles of Business, Marketing, and Finance.

Sports and Entertainment Marketing will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and entertainment. The areas this course will cover include basic marketing concepts, publicity, sponsorship, endorsements, licensing, branding, event marketing, promotions, and sports and entertainment marketing strategies.

### **4203 Entrepreneurship   new course SY 18-19**

1.0 Credit

Grade Level: 10-12

Students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired, and the potential for profit.

### **4204 Practicum in Marketing   to be offered SY 19-20**

2.0 Credits

Grade Level: 12

Prerequisites: Entrepreneurship

Practicum in Marketing is a series of dynamic activities that focus on the customer to generate a profitable exchange. Students will gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Students will integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical courses in marketing.

**3090 Career Prep I**

1.0 Credit

Grade Level: 11-12

Prerequisites: passed all EOC exams, earned all credit from previous school year and show proof of employment. Career Preparation I 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. The goal is to prepare students with a variety of skills for a fast-changing workplace. This instructional arrangement should be an advanced component of a student's individual program of study. Students are taught 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. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success. Students spend one class period daily and a minimum of 15 hours on the job weekly in areas of employment such as business, marketing, retailing, agriculture, food service. Students must provide proof of employment and transportation to their place of employment.

**3091 Career Prep II**

1.0 Credit

Grade Level: 12

Prerequisite: same as Career Prep I, plus one or more advanced CTE courses that are part of a coherent sequence of courses in a career cluster related to the field in which the student will be employed. Career Preparation II develops essential knowledge and skills through classroom technical instruction and on-the-job training in an approved business and industry training area. Students will develop skills for lifelong learning, employability, leadership, management, work ethics, safety, and communication as a group; however, each student will have an individual training plan that will address job-specific knowledge and skills. Approved training sponsors will provide paid occupational training for a student. The training sponsor will assist the teacher in providing the necessary knowledge and skills for the student's specific career preparation.

**OTHER ELECTIVES****2015 Professional Communication (CTE course)**

0.5 credit

Grade: 10, local requirement for graduation

This course is designed to give students knowledge of the communication process. Students will be expected to make formal and informal presentations to the class. MISD local policy requires this course for graduation

**2085 Health Education**

0.5 credit

Grade: 10, local requirement for graduation

Health is a study of the care of the body and its systems, as well as the relationship of personal behavior to wellness. Community health, environmental studies, disease, fitness, first aid and safety are studied. CPR is taught during this class.

**2107 Sports Medicine I****2108 Sports Medicine II****2118 Sports Medicine III**

1.0 Credit

Grade Level: 11-12

This course provides an opportunity for students to discover the components of a sports medicine. Topics to be covered: sports medicine related careers, organizational and administrative considerations, prevention of athletic

injuries, recognition, evaluation and immediate care of athletic injuries, rehabilitation and management skills, taping and wrapping techniques, first aid/CPR/AED, emergency procedures, nutrition, sports psychology, human anatomy and physiology, therapeutic modalities, and therapeutic exercise techniques.

**4300 MAPS**

1 Credit

Grade Level: 9 **REQUIRED ELECTIVE FOR 9<sup>TH</sup> GRADE STUDENTS**

Students will explore the options available in high school, higher education, and the professional world in order to establish both immediate and long-range personal goals. After identifying their individual learning styles and abilities, students will build on these abilities by developing critical time-management, organization and study skills. The course focuses on self-understanding, decision-making, resiliency, attitude, character education, and leadership to help students maximize personal achievement. Students will develop the specific strategies necessary to achieve their personal and professional goals. The course emphasizes proactive problem-solving, self-determination, and independent thinking and learning skills. In addition, students will explore and experience collaboration as a tool for creative problem solving. As part of goal setting and leadership activities, students may complete an outside community service learning experience in addition to class assignments.