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INTRODUCTION

The purpose of this course catalog is to acquaint students and parents with the course offerings of Earlham High School, and to provide information which will assist in the selection of courses by students at the time of pre-registration. Included are the graduation requirements, as well as the courses that will most likely be offered for next year. Before making your final selections, talk with your parents and the school counselor. Make sure you take courses for the right reasons. Courses should be selected based on your individual goals and preferences. Classes should not be selected based on the course's reputation for being easy or because your friends are taking them.

Select your courses wisely, and it will certainly pay off!

GENERAL INFORMATION

Students in grades 9, 10, and 11 take a minimum of seven classes per semester, and may have one study hall. Seniors must take at least six classes per semester, and may qualify for senior release a maximum of one out of eight periods. Exceptions are made with administrative approval.

The counselor and administration reserve the right to approve each student's schedule. No courses can be taken for credit twice unless it is so stated in the course description. Students may repeat a course with administrative approval if they received lower than a C- the first time, and they wish to raise their grade or better learn the material. However, additional credit will not be given. If a course is repeated, the grade earned the second time is the one that will appear on the student's transcript.

Once a student has been assigned a particular schedule, he/she will be discouraged from changing that schedule. Any student enrolling in a year-long course should plan to complete the course. Any exception to this rule will be considered on an individual basis.

Some courses may require a minimum number of students enrolled in order to be offered.

CHANGES FOR 2012-2013

1. Animal Science extended from a semester to a full year
2. Business Applications removed
3. DMACC Career Academy registration requirements adjusted
4. E2020 Electives added
5. Prerequisites for elective courses adjusted
6. Madison County Career Academy (MCCA) information added

GRADUATION REQUIREMENTS

Progress in high school is measured in terms of credit. One credit is obtained by earning a passing grade in a course which meets daily for one semester.

It is each student's responsibility to make sure that they take the necessary courses to meet the graduation requirements. In all instances, all academic, financial, disciplinary and other obligations to the district must be fulfilled in order to graduate.

*Courses that are marked with an asterisk are required for graduation.

Course or Department	Number of Required Credits
<u>English</u>	8
Reading (2 credits)	
*English 1 (2 credits)	
*English 2 (2 credits)	
*English 3 (2 credits)	
*Speech (1 credit)	
One of the following English electives: (1 credit)	
Creative Writing (1 credit)	
American Heritage (1 credit)	
Public Speaking (1 credit)	
English 4 (2 credits)	
<u>Math</u>	6
Pre-Algebra (2 credits)	
*Algebra I (2 credits)	
Geometry (2 credits)	
Intermediate Algebra (2 credits)	
Consumer Math (2 credits)	
Algebra II (2 credits)	
Precalculus (2 credits)	
Statistics (2 credits)	
Calculus I (2 credits)	
<u>Science</u>	6
*Physical Science (2 credits)	
*Biology (2 credits)	
Chemistry (2 credits)	
Ecology (2 credits)	
Physiology & Anatomy (2 credits)	
Physics (2 credits)	
Advanced Biology (2 credits)	
Animal Science (2 credit)	
Plant Science (2 credits)	

<u>Social Studies</u>	7
*US History (2 credits)	
*Government 1 (1 credit)	
*Western Civilization (2 credits)	
*World Geography (1 credit)	
One of the following Social Studies electives: (1 credit)	
American Heritage (1 credit)	
Government II (1 credit)	
Psychology (1 credit)	
Sociology (1 credit)	
Economics (1 credit)	
Contemporary Problems (1 credit)	
Contemporary History (1 credit)	
P.E. (4 semesters required, one per year maximum)	4
Electives	20
TOTAL	51 Credits

**EHS REQUIRED AND ELECTIVE
COURSE OFFERINGS**

Students may take the courses listed in their grade level as well as any of the courses listed for the previous grade level if they have met the prerequisites.

Required Courses	Elective Courses	
	Year-Long Electives	Semester-Long Electives
9th GRADE		
English 1 or Reading Speech	Band Chorus	Health 1 Health 2
Math - next in sequence	Intro to Ag Science	Art 1 TAG
Physical Science	Spanish 1	Art 2 E2020 Elective
World Geography		Ag. Mechanics Greenhouse Management
Physical Education		Intro to Business 1 Intro to Business 2 Computer Graphics Adv. Computer Graphics

Required Courses	Year-Long Electives	Semester-Long Electives	
10th GRADE			
English 1 or 2 Math - next in sequence Biology US History Social Studies Elective (prior to graduation) Physical Education	Band Chorus Plant Science Spanish 2	Accounting 1 Accounting 2 Marketing 1 Marketing 2 Ag Business Management	Ceramics Crafts Drawing 1 Drawing 2
11th GRADE			
English 2 or 3 Math - next in sequence Science Elective Western Civilization Social Studies Elective (if not yet completed) Government Physical Education	Band Chorus Animal Science Spanish 3 Publication Design (Yearbook) MCCA Programs	Personal Finance Computer Programming Entrepreneur DMACC Electives (limit of 1 per semester)	Prin. of Crop Science Advanced Animal Science Painting 1 Painting 2
12th GRADE			
English 3 or English Elective Science Elective (if not yet completed) Government (if not yet completed) Social Studies Elective (if not yet completed) Physical Education	Band Chorus Spanish 4	Independent Study Courses DMACC Electives (limit of 2 per semester)	Sr. Independent Art Studio

Additional Education Opportunities

E2020

The objective in the e2020 classroom is to provide students the opportunity to make up credits, retake courses, or take elective courses for the purpose of meeting the credit requirement for graduation. Courses are available in English/Language Arts, Math, Science, Social Studies, and several elective options. If interested in taking an e2020 course, please consult with the school counselor. Students wishing to enroll in an e2020 course need to pick up an e2020 Course Handbook and Application from the school counselor at least one month prior to the desired start date. The courses are online and are self-paced.

Students in grades 10-12 are eligible to take e2020 courses as electives. TAG students in grade 9 are also eligible to take e2020 elective courses.

The courses listed below are available to our high school students. If you would like more information about any of these courses, please visit the program website:

<http://www.edgenuity.com/Curriculum-Research/Core-Curriculum-and-Credit-Recovery>

- Introduction to Communications and Speech
- Literacy & Comprehension 1 & 2
- IDEA Writing
- Classic Novel Studies
- Pre-Algebra
- Algebra 1
- Algebra 2
- Geometry
- Pre-Calculus
- Math Models & Applications
- Financial Math
- Earth Science
- Physical Science
- Biology
- Chemistry
- Physics
- Environmental Science
- World History
- U.S. History
- Government
- Economics
- Human Geography
- Psychology
- Sociology
- Career Planning & Development
- Spanish 1
- Spanish 2
- Art History 1
- Introduction to Health Science
- Strategies for Academic Success
- Healthy Living
- Foundations of Personal Wellness
- Digital Citizenship
- Computer Applications: Microsoft Office 2007
- Computer Literacy
- Computer Science 1
- Computer Science 2
- Introduction to C++
- Introduction to IT
- Flash Animation
- Flash Game Development
- 3D Art 1: Modeling
- 3D Art 2: Animation
- Digital Arts 1 & 2
- Image Design & Editing
- Game Design
- Audio Engineering
- Engineering Design 1
- Engineering Design 2
- Introduction to Entrepreneurship 1
- Introduction to Entrepreneurship 2
- Personal Finance
- Green Design & Technology

PSEO/DMACC/CAREER ADVANTAGE PROGRAM/MCCA

There are educational opportunities available for students outside of the regular campus schedule. **College credit (PSEO or Concurrent Enrollment) is available through the following avenues:**

1. DMACC, through their “Career Advantage” program, offers college credit to students while still in high school. This is available for Juniors, Seniors, and TAG students. The website for this opportunity is: www.dmacc.edu/careeradvantage/aboutcareeradvantage.asp. Online Career Advantage courses will be offered through DMACC on site at Earlham High School. Students who wish to take these courses or other online courses will need to meet the following requirements:

- **Juniors may register for one online course per semester. Seniors may register for two online courses per semester. Students will be required to have a 3.5 grade point average or 21 ACT composite to enroll in courses. Students who do not meet these requirements will need to have teacher and counselor approval. Freshmen and sophomores must have proof that they are enrolled in the Talented and Gifted (TAG) program if they elect to enroll in online courses. TAG instructor approval will also be required.**
- **DMACC has its own registration forms and agreements. Students need to complete the proper registration forms provided by the school counselor and adhere to all guidelines of that institution.**
- **Earlham High School will provide a work station within a classroom or the library for each student taking an online course.**
- **At least one period per day will be reserved for each online course. Attendance is mandatory. Students taking online courses in the building will adhere to the regular attendance policy.**
- **Courses can be used for PSEO (Post Secondary Enrollment Option) at the request of the student, but must be courses that are not offered within the curriculum offerings of the Earlham Community School District. These courses are usually approved with the understanding that the credits can be used to satisfy high school graduation requirements.**
- **Community colleges will provide the instructor, textbook, and associated fees. The student will be expected to provide other miscellaneous items.**

3. POST-SECONDARY ENROLLMENT OPTIONS ACT provides an avenue for students to earn college credit while attending high school. High school students in 11th and 12th grades (and 9th and 10th grade students in TAG) may enroll in post-secondary schools (colleges) tuition free in certain courses during the regular school year. This does not include courses offered during the summer term. **THIS MUST BE PRE-APPROVED BY THE SCHOOL COUNSELOR AND ADMINISTRATION.**

4. The Madison County Career Academy (MCCA) has several programs which allow students to earn high school and college (DMACC) credit at the same time. These classes are taught on site at the Winterset Community School District. Students who are in grades 11 or 12 are eligible to participate in these programs. Younger students who are in the TAG program may also enroll with TAG instructor and counselor approval. The MCCA programs focus on a specific skill or trade which will jump-start the students' career in the following areas:

- **Building Construction**
- **Computer Technology**
- **Culinary Arts**
- **Certified Nursing Assistant (CNA)**
- **Early Childhood/Child Care**
- **Electrical Construction**
- **Engineering**

5. The following courses are offered at EHS, and taught by by EHS teachers for both college and high school credit:

- DMACC MAT 157 (Statistics) (Mrs. Connon)
- DMACC MAT 211 (Calculus) (Mrs. Connon)
- DMACC Principles of Crop Science (Mr. Fitzgerald)
- DMACC Advanced Animal Science (Mr. Fitzgerald)

Articulation Agreements

In the districts vocational programs, students have the opportunity to earn credits with DMACC through articulation agreements. Articulation is defined as a process for coordinating the linking of Secondary Schools and Post Secondary Institutions within a community to help students make a smooth transition from one level to another without experiencing delays, duplication of courses, or loss of credit. Students can eventually earn college credit for taking vocational courses for which the district has an articulation agreement with DMACC. This credit will be earned if the student enrolls at DMACC after graduating from Earlham.

COURSE DESCRIPTIONS

Required Courses are Marked with an Asterisk

ART

ART 1: 2-D Design (semester)

Grades levels: 9-12

No pre-requisite, Class fees

Art 1 is a basic art-studio exploratory course. Each student is exposed to various art media in the areas of drawing, painting, composition, color study, art vocabulary, pre-20th Century art history, aesthetics, critique, and design. Art 1 and 2 can be taken in non-consecutive semesters.

Limit 17

ART 2: 3-D Design (semester)

Grade levels: 9-12

No pre-requisite, Class fees

Art 2 is the second part to the basic art experience. This course will expose all students to media in areas of contemporary art history, three-dimensional work in various mediums. Art I and II can be taken in non-consecutive semesters.

Limit 17

SENIOR INDEPENDENT ART STUDIO (semester)

Grade level: 12, with teacher approval

Prerequisite: Painting 2 or Drawing 2 plus any studio class in concentration area. Must have own supplies.

This course explores advanced art problems in any medium. This course offers student directed assignments and is only open to senior advanced students who have completed the art curriculum. Teacher approval is required to enter this class. Can be taken either semester

ART STUDIO CLASSES

DRAWING 1 (semester)

Grade level: 10-12

Prerequisite: Art 1, Class fees

Drawing 1 covers various techniques, materials, and basics in drawing. In addition, students will be exposed to illustration, design, perspective, the drawing of the human form.

Limit 15

DRAWING 2 (semester)

Grade levels: 11-12

Prerequisite: Drawing 1

Drawing 2 expands on the basics of drawing. Students will be exposed to many areas of drawing with a focus on the communication of ideas through the various drawing media.

Limit 12

CERAMICS (semester)

Grades levels: 10-12

Prerequisite: Art 2, Class fees

Ceramics is the introductory level class to ceramics. Students will explore the pinch, coil and slab hand building methods. Emphasis will be placed on the fundamentals of building and decorating the surface of a clay vessel using various mediums.

Limit 12

CRAFTS: Textiles, Jewelry, & Glass (semester)

Grade levels: 10-12

Prerequisite: Art 1 or Art 2

Students will explore various techniques and materials used in the creation of projects with fabric and various natural materials. Students will explore various techniques in jewelry-making. Areas in cold metalwork, casting, fusing, and lamp working will be covered. Students will explore various techniques and methods of using glass to create various types of 2 and 3 dimensional art.

Limit 10

PAINTING 1 (semester)

Grades levels: 10-12

Prerequisite: Art 1 & Drawing, Must have own supplies

Painting 1 covers various painting media and some historical information. The majority of the class time is spent in production. The students will explore water color, acrylics, and other two-dimensional mixed media.

Limit 15

PAINTING 2 (semester)

Grades levels: 11-12

Prerequisite: Painting, Must have own supplies

Painting 2 will expand on the basics of painting. Students will be exposed to many areas of painting with a focus on the communication of ideas through the various drawing media.

Limit 12

COMPUTER ART CLASSES

COMPUTER GRAPHICS (semester)

Grades levels: 9-12

No prerequisite

This is the Art Class for the computer-minded. During this course, students will learn how to use the Adobe Illustrator, Photoshop & Image Ready Programs. Students will start by learning the ins & outs of the program by creating mini assignments. Once the basic skills for each program have been mastered, a project will be completed by the student to demonstrate their understanding of the skills learned. This is a fun class to be in, and a chance to put your creativity to use.

Limit 17

ADVANCED COMPUTER GRAPHICS (semester)

Grades levels: 9-12

Prerequisite: Computer Graphics, Art 1

Equipment needed Digital Camera for outside of school

This course is an advancement of Computer Graphics. Here you utilize Photoshop along with your Digital Camera to create an Electronic Portfolio. We will start off with the basics of digital photography and learn what it takes to create that “perfect” picture. We will then bring to our knowledge of Photoshop and add on to it. We will also discuss how to utilize Digital Media in the Business World (Advertisements mostly). For the last portion of the course, you will be given various tasks/projects that will be placed into your portfolio.

DRIVER EDUCATION

DRIVER EDUCATION

This will not count as a credit towards graduation.

FOREIGN LANGUAGE

SPANISH I (year)

Grade levels: 9-12

Prerequisite: None, Strongly recommend a minimum “C” average in English.

Students will learn basic pronunciation, grammar, and vocabulary through verbal interaction and study of textbook and supplementary materials. Speaking and listening skills are emphasized. Culture is studied through foreign magazines, films, short readings, authentic objects and activities. Upon completion of the course, the student will be able to converse, read and pronounce words in Spanish. This course is beneficial for those going into careers dealing with the public such as health careers, social services, education, travel and business in Spanish speaking areas of the United States.

SPANISH II (year)

Grade levels: 10-12

Prerequisite: Spanish 1 with a minimum of a “C” or instructor approval

This course is a continuation of the same approach used in Spanish 1, with increased emphasis on becoming proficient in the use of different verb tenses. Spoken language and conversation are stressed as written and listening skills improve. Students will be able to apply what they have learned to a variety of realistic communication situations. This course is beneficial for those going into careers dealing with the public such as health careers, social services, education, travel and business in Spanish speaking areas of the United States.

SPANISH III/IV: MAY BE COMBINED (year)

Spanish 3:

Grade level: 11-12

Prerequisite: Spanish 2 with a minimum of a “C” or instructor approval

This course improves the students’ proficiency in advanced verbs, grammar, pronunciation and composition skills. It introduces the students to more literature through the study of children’s books, legends, and poetry. Spoken language will be stressed through daily conversation and presentations.

Spanish 4:

Grade level: 12

Prerequisite: Spanish 3 with a minimum of a “C” or instructor approval

This course improves the student’s proficiency in advanced verbs, grammar, pronunciation, and composition skills. It is project based. The students will participate in a number of different real life situations in which they will use both oral and written language. Students will read short novels, plays, and books. They will be exposed to the spoken language through Spanish television shows and videos.

HEALTH

HEALTH 1 (semester)

Grade levels: 9-12

Prerequisite: None

This course includes a basic introduction to health and wellness with a concentration on keeping the body healthy. Topics include the health triangle, mental health, stress management, nutrition, drugs, sexuality, endocrine and reproductive systems, decision-making and setting future goals, healthy relationships, abstinence, sexually transmitted diseases, birth control, and pregnancy.

This course is beneficial for careers in the health/medical fields.

HEALTH 2 (semester)

Grade levels: 9-12

Prerequisite: Health 1 or instructor approval

This course is a continuation of health and wellness concentrating on keeping the body healthy. Topics include the body systems, personal health and fitness, nutrition, noncommunicable diseases, community and environmental health, consumer health, current health issues, first aid and health related occupations. This course is beneficial for careers in the health/medical field.

LANGUAGE ARTS

READING (year)

Grade level: 9

Enrollment in this freshman-level course is determined by Iowa Assessment and MAP scores, teacher observation and grades, and parent approval. Passport Reading Journeys incorporates high-interest reading material and technology with focused reading instruction in order to help students improve their comprehension and vocabulary skills. Students will also work on improving writing and research skills.

***ENGLISH I** (year)

Grade level: 9

Prerequisite: None

The 9th grade English program covers library materials, grammar review, sentence and paragraph development, theme skills, poetry, plays, novels, and short stories. The study of literary forms is done at a high school level, as the student is taught to appreciate the author's technique and theme in addition to merely following the plot. Development of spelling and vocabulary is stressed, as well as the importance of coming to conclusions in oral and written discussions. This course is beneficial for any entry-level employment position.

***ENGLISH II** (year)

Grade level: 10

Prerequisite: English I

This course covers grammar and mechanics as it is related to effectively composing paragraphs and essays. Students will also be exposed to a survey of American literature while building vocabulary. Each student will complete a research project, during which time the focus is developing good research skills, synthesizing information from several sources, and using proper MLA formatting. This course is beneficial for college or any career requiring good communication skills.

***ENGLISH III** (year)

Grade level: 11

Prerequisite: English II

This course of study focuses on a survey of American literature and developing good writing skills. Composition, focusing on sentence and essay structure and integrating quotations using proper MLA format, will be studied throughout the year. Students will compose narratives, persuasive essays, compare/contrast essays and a research paper. Building vocabulary to prepare for standardized tests (SAT and ACT) will also be stressed. This course is beneficial for college or any career requiring good communication skills.

ENGLISH IV (year)

Grade level: 12

Prerequisite: English III, Instructor approval

The purpose of this college-preparatory course is to review and study English concepts and skills that college freshmen should know. Grammar, mechanics, composition and a survey of world literature are studied. Students will be expected to synthesize information with an emphasis on writing. Students will compose narrative, comparison, persuasive, analysis, thematic, research and creative writing pieces.

***SPEECH** (semester)

Grade Level: 9-12

Prerequisite: None

This is a public speaking course whereby students will enhance their oral interpretation skills while delivering a wide variety of speeches. While this is a performance based course, students will also work on outline writing and research skills. The fundamentals developed and improved upon during this course are essential for college and many careers.

AMERICAN HERITAGE (year)

Grade Level 11-12

Prerequisite: US History & English II

This is a full year course taught by one history teacher and one literature teacher. It portrays the story of American culture by showing how American history and literature are interrelated. This course exposes students to American history, literature, and culture, and shows the relationships between these subjects. The course is broken into eight themes. Each theme's assignments include reading, writing, research, quizzes, small group discussions, project presentations, a theme test, and a portfolio showing student work. One grade is given for American Heritage. The student's grade carries a double credit value and satisfies one credit requirement for both social studies and language arts. A variety of class activities and a variety of grading procedures accommodates various learning styles.

CREATIVE WRITING (semester)

Grade levels: 10-12

Prerequisite: Instructor Approval

This is a highly individualized and student driven writing intensive course being taught in a workshop environment. Students will compose their own pieces of fiction and non-fiction, revise their manuscripts, participate in peer workshops and conference with the teacher. Not only will students develop a sense of style and form, but work on voice. Genres included: short stories, poetry, drama, memoirs, and novels.

PUBLIC SPEAKING (semester)

Grade level: 11, 12, (10th graders with instructor approval)

Prerequisite: Speech

This course covers debate, interview skills, after dinner speaking, acting, and improvisation. Each class will have the opportunity to not only practice debate and interviewing skills for a full quarter but design units to help them improve their public speaking and group communication skills.

MATHEMATICS

PRE-ALGEBRA (year)

Grade levels: 9-12

Prerequisite: None

Pre-algebra will enable students to more easily make the transition from mathematics to algebra. This course introduces students to the properties of operations and the uses of variable and equations. It also reinforces basic computational skills involving percent, proportion, decimals, rational expressions and properties of geometry. Introduction to polynomials, statistics, and probability will also be explored. This course is beneficial for any entry-level employment position.

***ALGEBRA I** (year)

Grade levels: 8-12

Prerequisite: None

The emphasis will be on fundamental algebra skills, with some geometry, probability and statistics. This course is beneficial for any entry-level employment position.

GEOMETRY (year)

Grade levels: 9-12

Prerequisite: Algebra 1 (grade of C- or better)

Emphasis is on coordinate and transformational geometry, connecting this course with Algebra 1. Real-world orientation problems and standard geometric problems will be covered. Specific topics covered include triangle congruency, volumes, area, perimeter, polygons, direct and indirect proofs, points, lines, angles, reflections, and an introduction to trigonometry.

INTERMEDIATE ALGEBRA (year)

Grade Levels: 11-12 or instructors approval

Prerequisite: Algebra 1 & Geometry

This course will cover properties of numbers, linear and quadratic equations, and an introduction to probability and statistics. This course is designed to bridge the gap between Geometry and the basic math courses required in college. Those hoping to pursue Business, Math, Science, Engineering, Nursing, etc. should take the regular Algebra 2 course.

ALGEBRA II (year)

Grade levels: 10-12

Prerequisite: Algebra 1 & Geometry (grade of C or better)

This is a prerequisite for students planning on taking Precalculus and Statistics in High School and in College. Topics include properties of numbers, graphs, expressions, linear, quadratic exponential equations, inequalities, matrices, logarithms, and trigonometry and conic sections.

CONSUMER MATH (year)

Grade levels: 11-12

Prerequisite: Student must be a junior or senior

This is a year long course. To enroll in second semester you must have completed first semester. This course is designed so the student will be using applications of mathematics in everyday situations. Basic math skills such as percentages, ratios, proportions, averages, and conversions are reviewed. Areas covered include checking accounts, taxes, loans, insurance, discounts, markups personal finance, and investments. This course is beneficial for any entry level employment position.

PRECALCULUS (year)

Grade levels: 10-12

Prerequisite: “C” or higher in Algebra 2

First semester topics include extending knowledge of functions including exponentials, logarithms, rational, and introducing trigonometric functions. Probability will be introduced in first semester. Second semester will expand trigonometric topics, parametric equations, polar and complex numbers, and vectors. This course should be completed in high school for those considering math or science majors in college.

STATISTICS (spring semester) (DMACC Math 157-Elementary Statistics-4 credits)

Grade levels: 11-12.

Prerequisite: Algebra II with 3.5 GPA, 21ACT, or instructor approval

This course will cover tabular and graphical presentation, measures of central tendency and variability, standard elementary procedures involving binomial, normal student's t 's, chi-squares and f distributions, correlation, regression, analysis of variance and several nonparametric procedures. This course can count toward the mathematics component of most college general education requirements. Students planning to major in psychology, nursing, business, science, or most any field would benefit from this course.

CALCULUS (fall semester) (DMACC Math 211 Calculus, 1-5 Credits)

Grade level: 12

Prerequisite: Precalculus with overall 3.5 GPA, 21 on ACT, or instructor approval

This course will cover absolute values, inequalities, functions, limits, continuity, differentiation, definite integration, exponential and logarithmic functions. This course is the foundation (required course) for the following majors: Mathematics, Actuarial Science, Statistics, Economics, Engineering, Physics and other Sciences. (Business, majors often are required to take business calculus specific applications for their major – Math 211 is more rigorous.). It counts toward the mathematics component of most college general education requirements.

MUSIC

INSTRUMENTAL MUSIC: BAND (year)

Grade levels: 9-12, May be repeated

Prerequisite: Previous enrollment in band or permission from instructor

Lessons, added assignments, reports, and projects may be required. Required attendance for all performing groups, which includes marching band, concert band, and pep band. Concerts include winter, pops, spring, state large group, and commencement. Solo work is encouraged. Honor bands, solo and small group contest, and jazz band are optional and extracurricular.

VOCAL MUSIC: CHORUS (year)

Grade levels: 9-12, May be repeated

Prerequisite: None

Lessons, added assignments, reports, and projects may be required. Depending upon the short term goals of the group, sectionals and small group rehearsals may take place during one or more periods of the week. Each student will learn basic concepts in voice production while covering a variety of styles in choral literature, as well as options available in music careers. Attendance is required at all concerts, which include the conference vocal festival, winter, pops, spring concert, and commencement. Honor choirs, and solos and small group contests are optional and extracurricular.

PHYSICAL EDUCATION

***PHYSICAL EDUCATION** (semester)

Grade levels: 9-12

Prerequisite: None

Students can earn a maximum of four (4) credits of P.E. throughout high school.

FITNESS: This course exposes students to a variety of fitness activities and the benefits of these activities on the body. Students will be able to monitor and control their own fitness levels.

Using different activities such as swimming, walking, jogging, bicycling, fitness videos (Tae Bo, Pilates), the exercise ball and weight training, students will be able to choose an activity that best suits their interests and needs.

TEAM SPORTS: This course exposes students to a variety of team sports. These sports will include football, volleyball, basketball, softball, two-base kickball, speedball, and variations of each sport. Students will have an understanding of the terminology, rules, skills, and court/field size and regulations involved in each team sport. The student will be participating in each activity to have a better understanding of each team sport.

LIFETIME ACTIVITIES: The purpose of this course is to let the student experience a variety of lifetime activities. Students will learn the importance of lifetime activities through participation. They will be able to play a variety of activities with an understanding of rules, price of participation, fitness benefits, terminology, skills, and etiquette. Activities included are golf, bowling, tennis, shuffleboard, fishing, bicycling, running, weight training, etc.

SCIENCE

***PHYSICAL SCIENCE** (year)

Grade level: 9

Prerequisite: None

In this course, we will study the basic concepts of physics and chemistry through hands-on application of basic scientific principles and laws. Lab report and graph writing as well as problem solving skills will be emphasized throughout. These skills and concepts will lay the foundation for all other science courses.

***BIOLOGY** (year)

Grade levels: 10-12

Prerequisite: Physical Science

Biology is the study of life. Given that biologists have identified several million life forms on this planet, the potential scope of this course is enormous. The actual scope of this course is to examine the wondrous diversity of life on this planet in an attempt to identify similarities among all organisms. The emphasis is on identifying the basic life functions necessary for continued life which are shared by all life forms, with consideration given to variations existing on these basic themes. This study extends from the molecular level of biochemistry through the structural designs and functions of individual organisms up to the evolution and interactions of populations within the global biosphere. This course is beneficial for any science-related career, including natural resources & health/medical careers.

CHEMISTRY (year)

Grade levels: 10-12

Prerequisite: Entrance into Algebra II , Physical Science

This course will focus on the basic concepts of Chemistry through lab work and demonstrations. Students will connect their in lab experiences to the principles and laws of chemistry through lab report writing and various other dynamic presentations. This course is a must for anyone considering a career in health, dentistry, veterinary medicine, cooking and nursing to name a few. Strongly suggested for any student planning on going to a four or two year college.

ECOLOGY (year)

Grade levels: 11-12

Prerequisite: Physical Science

The focus of the course is to first gain an understanding of the basic ecological principles governing life on this planet. Environmental issues such as air and water pollution, population growth, resource management, wilderness preservation, extinction, nuclear war and any other ecological nightmare present in today's world will be dealt with during the year's study. Field studies, excursions and trips into surrounding natural areas will be utilized to provide research opportunities and educational experiences. This course is beneficial for careers in natural resources and environmental studies.

ADVANCED BIOLOGY (year)

Grade levels: 11-12

Prerequisite: Biology

The AP Biology course is designed to be the equivalent of a college introductory biology course usually taken by Biology Majors during their first year. If students show they are qualified on the AP Examination, some students, as college freshmen, are allowed to take upper-level biology courses or courses that require biology as a prerequisite. If students are not science majors, they may have fulfilled a basic requirement for a lab course and be able to take other courses related to their major.

HUMAN PHYSIOLOGY AND ANATOMY (year)

Grade levels: 11-12

Prerequisite: Physical Science and Biology

This course focuses on the structures and functions of the human body. In a sense, this course is an examination of the owner's manual for your body. From your organic molecules, up through the major systems of your body, we consider the equipment you are constructed from and the individual and cooperative actions of these components. This course is beneficial for any science related career, including health/medical careers.

PHYSICS (year)

Grade levels: 11-12

Prerequisite: Physical Science and Algebra 2

This college prep class is designed to give the student an extensive background in the interpretation of physical happenings. In doing this, the course relies on mathematical as well as written interpretations of phenomena. Major subject areas include kinetics, dynamics, waves, as well as a brief introduction to modern physics and its comparison to classical physics. Many college science majors require physics.

SOCIAL STUDIES

***WORLD GEOGRAPHY** (semester)

Grade levels: 9-12

Prerequisite: None

A comprehensive one semester study of political, economic, physical, and human branches of geography of the world. Emphasis will be placed on the five themes of geography: locations, place, human-environment, interaction, movement, and region. This course is beneficial for a career in any social science career, including sociology or anthropology.

***U.S. HISTORY** (year)

Grade level: 10

Prerequisite: None.

This course deals with people and events from the Civil War to the present. From this course, the student should get a better understanding of the trends and events that have shaped our country's history. Through this understanding, the student should be able to compare the relationship of events from the past to the present. This course is beneficial for a career in any social science career, including political science and sociology.

ECONOMICS (semester)

Grade level: 11

Prerequisite: None

Economics is a one semester course designed to include studies of general economic principles such as: supply and demand, investing, the money system, etc. The course should give the student an understanding of the basic elements of our economic system. It is designed to be a common sense approach, rather than a dollars and cents approach to the subject matter. This course is beneficial for any business-related career.

***WESTERN CIVILIZATION** (year)

Grade levels: 11-12

Prerequisite: None

This course consists of history of Western culture from the beginning of man to present day. This course covers the major themes of Western civilization, with an emphasis on Egyptian, Greek, Roman civilization, the medieval world, the Renaissance and Reformation, and the transition to the modern era. It covers the ideological conflicts and wars, such as the French Revolution, Industrialization, and the rise of communism. Emphasis is placed on the shaping of contemporary ideas, values, institutions, and the impact of technology on modern society. This course is beneficial for a career in any social science career, including political science and sociology.

SOCIOLOGY (semester)

Grade levels: 11-12

Prerequisite: None

This course deals with the scientific observation and analysis of human social behavior. Some areas of study are: culture, social organizations, social problems, and social change. This course is beneficial for a career in any social science career, including political science, sociology, and criminology.

PSYCHOLOGY (semester)

Grade levels: 11-12

Prerequisite: None

This course deals with the study of individual behavior. Personality development, emotional and social adjustment, and maladjustments, physical growth, and a variety of other related topics are covered. This course is beneficial for any career, including social work, psychology, and careers dealing with human relations.

CONTEMPORARY PROBLEMS/PROBLEM SOLVING (semester)

Grade levels: 10-12

Prerequisite: None

This course is a student oriented class that requires a great amount of student participation dealing with major current problems. Each student researches and presents a selected topic. Students are presented with various viewpoints on multiple topics through class discussion, readings, videos, and other outside sources. The course also contains an element of problem solving using creative thinking through the course of projects. The students will engage in multiple-step problems explain their thinking. This course is beneficial for a career in any social science career, including political science and sociology.

***GOVERNMENT I** (semester)

Grade levels: 11-12

Prerequisite: None

American government is a one semester course which includes a study of the three basic levels of government in the country (national, state, and local). General discussions of how our governments works individually as well as harmoniously is the basis of the course. Emphasis is on: understanding our constitution, responsibilities of elected executives, responsibilities of the court system, and responsibilities of the legislative system. This course is beneficial for a career in any social science career, including political science and sociology.

GOVERNMENT II (semester)

Grade Level: 11-12

Prerequisite: Government I

Government II will focus on the various institutions, groups, beliefs, and ideas that constitute United States politics. Students will gain an analytical perspective on government and politics in the United States both by studying the general concepts used to interpret U. S. politics and by analyzing specific examples.

CONTEMPORARY AMERICAN HISTORY (semester)

Grade Levels: 11-12

Prerequisite: American History

Contemporary American History is a course that provides an in-depth look at major events that have shaped American culture during the past 40 years. The course starts in the turbulent mid-60's and concludes with the current administration. Students will explore each decade by examining two to three major events in the following areas: economics, technology, government, popular culture, and events both internally and externally affecting the United States.

Examples of possible areas of study:

60s	Olympic boycott	L.A. Riots/Rodney King
Cultural Revolution	Reaganism	Y2K scare
Vietnam	Fall of Communism in Europe	MTV
Moon Landing	AIDS	Somalia
Woodstock	Iran-Contra	Kosovo
	Home Computer/cell phones	
70s	Challenger	00s
Gas Crisis/economic depression	Video games	Iraq War
Women's Right's Movement	Farm crisis	Sept. 11
Watergate		Global Warming
Manson murders	90s	Tobacco lawsuits
Star Wars	Consumerism	Bush-Gore election
Iran Hostages	Internet/dot.com	Afghanistan
Bussing	End of Cold War	Eron/Worldcom
Roe v. Wade	Gulf War	Reality TV
	O.J. Simpson Case	International space station
80s	Cloning/Hubble	Hurricane Katrina

TALENTED AND GIFTED

TAG PROGRAM

Grade levels: 9-12

Prerequisite: Identification for the TAG program

This is an independent course offered for qualified students. TAG may be taken for credit outside the school day or during one regular class period. Individual work could include a project, papers, essays, poetry, or art work. Other special projects of each student's interest may be done with prior approval of the instructor. See the TAG instructor to see if you may qualify. Grade for credit will be pass/fail. Enrollment in TAG for credit is not necessary to be involved in the TAG program.

Students who are part of the TAG program may be eligible to enroll in an Advanced Placement (AP) course. See the TAG instructor if you are interested in taking an AP course.

VOCATIONAL DEPARTMENT

BUSINESS EDUCATION

INTRO TO BUSINESS 1 (semester)

Grade levels: 9-12

Prerequisite: None

This course provides students with information on the characteristics, organization, and operation of a business. Many activities will be done to cover such areas as finance, production, marketing, and planning. This is a general course for all four vocational areas: business education marketing, family and consumer sciences, and agriculture: This course would be beneficial if you are thinking of a career in business, management, marketing, consumer sciences, or agriculture.

INTRO TO BUSINESS 2 (semester)

Grade levels: 9-12

Prerequisite: Intro to Business 1

This course expands upon the information covered and skills developed in Intro to Business 1.

ACCOUNTING 1 & 2 (year)

Grade levels: 10-12

Prerequisite: Intro to Business 1

This course is designed for students who would like to keep better books for themselves or who plan on going into the business field. Included in this course will be check writing, payroll records, and working with books such as journals and ledgers. This course would be beneficial if you are thinking of a career in accounting, business, or management.

PERSONAL FINANCE (semester)

Grade Levels: 11-12

Prerequisite: Business 1

This course will inform students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets utilizing checking and saving accounts, gain knowledge in finance, debt and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions leading to financial independences.

MARKETING

MARKETING 1 & 2 (year)

Grade levels: 10-12

Prerequisite: Intro to Business 1

This course is designed to help students grasp the big picture of marketing and marketing careers. The students will learn about all aspects of marketing from producing through distribution channels to the consumer. There will be a variety of activities. Students may take either semester or both semesters. This course would be beneficial if you are thinking of a career in business, marketing, or management.

PUBLICATION DESIGN: Yearbook (year)

Grades: 11-12

Prerequisite: Computer Graphics, and teacher approval

Students enrolled in this year long course will learn the various design aspects of the newspaper and yearbook. Students will have the opportunity to take and edit their own photographs, in addition to learning the ins and outs of the In-Design program.

FAMILY AND CONSUMER SCIENCES

FOODS 1 (semester)

Grade levels: 9-12

Prerequisite: None, limited enrollment

This is an introductory course to nutrition and basic food preparation skills. Students will learn food safety and kitchen sanitation skills. Nutrition, diet analysis through Choose My Plate, and dietary guidelines are covered. Students will learn how to follow a recipe and write a mise en place. Kitchen safety and correct usage of food preparation tools and cooking techniques will be taught. Students will make recipes from all food groups. This course is recommended for any student who wants to learn how to eat healthy and prepare food. It is also recommended for students who want to pursue any food related career.

FOODS 2 (semester)

Grade levels: 9-12

Prerequisite: Foods 1, limited enrollment

This course covers nutrition in more depth relating to establishing positive food habits and eating plans, maintaining a healthful weight, sports nutrition, food and the life span, nutrition for special health conditions and eating disorders. Students are introduced to meal etiquette and styles of table service. Special units are covered on food budgeting and planning meals, baking, cooking protein and ethnic foods. Students will prepare foods from all food groups. This class is for any student who wants to further their knowledge of nutrition and food preparation. It is also recommended for students pursuing food related careers.

AGRICULTURE EDUCATION

Introduction to Ag Science (year)

Grade Level: 9, 10, 11, 12

Description: Students participating in the Introduction to Agriculture Science course will experience exciting “hands-on” activities, projects, and problems. Student experiences will involve the study of communication, the science of agriculture, plants, animals, natural resources, and agricultural mechanics. While surveying the opportunities available in agriculture and natural resources, students will learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning. For example, students will work in groups to determine the efficiency and environmental impacts of fuel sources in a practical learning exercise.

Limit 24

Plant Science (year)

Grade Level: 10, 11, 12

Descriptions: The course is structured to enable all students to have a variety of experiences that will provide an overview of the field of agricultural science with a foundation in plant science so that students may continue through a sequence of courses through high school. Students will work in teams, exploring hands-on projects and activities, to learn the characteristics of plant science and work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers and producers, and plant research specialists face in their respective careers.

Advanced Animal Science - DMACC Credit (semester)

Grade Level: 11, 12

Descriptions: The course explores issues impacting the United States and the international animal industry. The main emphasis of the course is on the animal industry in the global market, animal production management, anatomy and physiology, and marketing of farm animals. The animals of focus include beef and dairy cattle, companion animals, horses, poultry, sheep, swine and their products.

Ag Business Management (semester)

Level: 10, 11, 12

Descriptions: This course introduces modern economic and business principles involved in the organization, operation and management of agricultural businesses. Instructional units include: financial and money management, decision-making, record-keeping, financial analysis, budgets, risk, marketing, and sales. Classroom and laboratory activities will be supplemented through supervised agricultural experiences and FFA activities.

Principles of Crop Science -DMACC Credit (semester)

Level: 11, 12

Descriptions: The course is a study of principles of plant, soil, and climate relationships and their impact on crop production and animal food supply worldwide. Other topics covered are plant identification, anatomy and growth, as well as tillage and planting, pest control, harvesting and storage.

Greenhouse Management (semester)

Level: 9, 10, 11, 12

Descriptions: Students will identify opportunities in horticulture, grow horticultural crops, manage a greenhouse and operate a school-based enterprise. Students' main goals will be planning and maintaining the plants in the greenhouse and operating the chapter greenhouse sale. Instructional units include: Opportunities in horticulture; greenhouse management and technology; plant propagation and growth; soils and growing media; plant protection; integrated pest management and greenhouse maintenance. FFA and SAE are intra-curricular parts of this class.

Ag Mechanics Welding and Fabrication (semester)

Level: 9, 10, 11, 12

Descriptions: Ag Mechanics allows students to further develop agricultural mechanics technology knowledge and skills. This hands-on course will cover units of study including: engines and power systems, metal fabrication and welding, and agricultural machinery maintenance and repair. The final component of this course includes the planning, design, and completion of an agricultural mechanics project – ranging from tractor restoration, woodworking projects, metal projects, or any other instructor approved project. Classroom and laboratory activities will be supplemented through supervised agricultural experiences and FFA activities.

Introduction to Animal Science (science credit) (year)

Level: 11, 12

Descriptions: Students will learn about the value and utilization of animals in our lives. Instructional units include: The Industry of Animal Science, Animal Nutrition, Animal Digestion, Animal Physiology, Animal Reproduction, Animal Selection, and Animal Health and Management. FFA and SAE are intra-curricular parts of this class.

Ag Independent Study – (During another scheduled Class period) (semester)

Level: 10, 11, 12, Must have instructor approval

Description: This course will allow a student to select a specific area within agriculture to study and complete a project on. Students must submit a plan of study to instructor prior to enrollment in course and receive instructor approval prior to taking this course.