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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 requirements for graduation as well as the courses that will be offered for next year. Before making your final selections, talk with your parents and the 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 planning to take the course.

Select your courses wisely. 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 relearn the material. However, additional credit will not be given. If a course is repeated, the grade earned the second time through is what will appear in the student 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 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 2014-2015

1. E2020 Course Offerings Adjusted
2. Personal Finance will be a graduation requirement starting with the class of 2016
3. Plant Science will now count as a science credit toward graduation requirements
4. New electives added in Art, English, Business, and Ag. departments
5. Agricultural DMACC courses and American Heritage removed
6. Off-Campus Work-Study Information added
7. ALEKS testing is now required prior to taking any DMACC Math course

GRADUATION REQUIREMENTS

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

It is each student's responsibility to make sure they take the necessary courses to meet 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.

<u>Course or Department</u>	<u>Number of Required Credits</u>
<u>English</u>	8
*English 1 (2 credits)	
*English 2 (2 credits)	
*English 3 (2 credits)	
*Speech (1 credit)	
Reading (2 credits)	
Creative Writing (1 credit)	
Theatre Arts (1 credit)	
English 4 (2 credits)	
Media & Broadcasting (1 credit)	
Modern American Literature (1 credit)	
Modern World Literature (1 credit)	
Real World Writing (1 credit)	
Public Speaking (1 credit)	
<u>Mathematics</u>	6
Freshman Math (2 credits)	
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 (1 credit)	
Calculus I (1 credit)	
<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)	
Intro to Animal Science (2 credits)	
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)	
Government 2 (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
*Personal Finance	1
- This will be required starting with the class of 2016	
Electives	19
- The class of 2015 needs a total of 20 electives	
TOTAL	51 Credits

EARLHAM HIGH SCHOOL REQUIRED AND ELECTIVE COURSES

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 and/or Reading Speech	Band Chorus	Health 1 Health 2
Math - next in sequence	Intro to Ag. Science	Art 1
Physical Science	Spanish 1	Art 2
World Geography		Ag. Mechanics
Physical Education		Ag. Welding
		Greenhouse Management
		Intro to Business 1
		Intro to Business 2
		Computer Graphics
		Adv. Computer Graphics
		Foods 1
		Foods 2
		TAG
		E2020 Electives

Required Courses	Year-Long Electives	Semester-Long Electives	
10th GRADE			
English 1 or 2 Math - next in sequence Biology US History English Elective (prior to graduation) Social Studies Elective (prior to graduation) Physical Education	Band Chorus Plant Science Spanish 2 Chemistry	Accounting 1 Accounting 2 Marketing 1 Marketing 2 Ag. Business Management Ceramics Crafts Drawing 1 Drawing 2	Creative Writing Contemporary Problems Personal Finance Theatre Arts
11th GRADE			
English 2 or 3 Math - next in sequence Science Elective Western Civilization English Elective (if not yet completed) Social Studies Elective (if not yet completed) Government Physical Education	Band Chorus Animal Science Spanish 3 Ecology Advanced Biology Anatomy & Physiology Physics Publication Design MCCA Programs	Contemp. American Hist. Agronomy Business Law Painting 1 Painting 2 DMACC Electives (limit of 1 per semester) Economics Sociology Psychology	Public Speaking Modern American Lit. Modern World Lit. Media & Broadcasting Real World Writing
12th GRADE			
English 3 or English 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)	

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 requirements for graduation. The courses are online and are self-paced. Courses are available in English/ Language Arts, Math, Science, Social Studies, and several elective areas. Please consult with the school counselor if interested in taking any of these courses. Students wishing to enroll in an E2020 course need to pick up an E2020 Course Handbook and Application from the school counselor at least two weeks prior to the desired start date.

Students in grades 9-12 are eligible to take one e2020 course per semester. Courses that are offered in the classroom will only be available to students for credit recovery or in the case of a scheduling conflict.

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>

An E2020 Course Catalog with descriptions of each course will also be available in the School Counseling office.

- Intro to Comm. & Speech (Speech)
- English 1, 2, 3, & 4
- Literacy & Comprehension 1 & 2
- IDEA Writing
- Classic Novel Studies
- Pre-Algebra
- Algebra 1 & 2
- Geometry
- Pre-Calculus
- Math Models & Application (Int. Algebra)
- Financial Math
- Physical Science
- Biology
- Ecology
- Chemistry
- Physics
- World History
- U.S. History
- Government
- Economics
- Human Geography
- World Geography
- Psychology
- Sociology
- Career Planning & Development
- Spanish 1 & 2
- Art History 1
- Introduction to Health Science
- Strategies for Academic Success
- Healthy Living (Health)
- Foundations of Personal Wellness (P.E.)
- Computer Literacy
- Computer Science 1 & 2
- Introduction to IT
- Flash Animation
- Flash Game Development
- 3D Art 1: Modeling
- 3D Art 2: Animation
- Digital Arts 1 & 2
- Game Design
- *Must have access to PC
- Audio Engineering
- Engineering Design 1 & 2
- Introduction to Entrepreneurship 1 & 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 web site 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 score to enroll in courses. Students who do not meet these requirements will need to have teacher and counselor approval. Freshman 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 guidance counselor and adhere to all guidelines of that institution.**
- **Earlham High School will provide a work station within a classroom 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.**
- **The community college will provide the instructor, textbook and associated fees. The student will be expected to provide other miscellaneous items.**

2. POST-SECONDARY ENROLLMENT OPTIONS (PSEO) 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.**

3. 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 Education/Child Care
- Electrical Construction
- Engineering

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

DMACC MAT 157 (Elementary Statistics) - Mrs. Connon

DMACC MAT 211 (Calculus) - Mrs. Connon

- Starting in the 2014-2015 school year, DMACC is requiring that all students who enroll in a math course take the ALEKS placement exam. This exam has been put in place to ensure that students taking upper-level math courses have the background knowledge in mathematics to be successful in these courses.

ARTICULATION AGREEMENTS

In the district's 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.

OFF-CAMPUS WORK-STUDY EDUCATIONAL PROGRAM

Juniors and Seniors have an opportunity to arrange an off-campus study experience. It is possible for a student to earn a maximum of 6 elective credits through an educational experience. A maximum of 3 credits can be earned in a single semester. Approximately 100 hours of student involvement per credit earned will be required. In advance, students must complete a Work-Study registration form and a detailed plan with the cooperation of a resident teacher for the purpose of evaluation and site visits. This plan must be approved by the end of May for the fall semester and by the end of November for the spring semester. Assignments for off-campus study programs may include, but are not limited to: projects, written assignments, journals, presentations, and/or a term paper. All credits earned through this program will be pass/fail.

COURSE DESCRIPTIONS

Required Courses are Marked with an Asterisk

ART

ART 1: 2-D Design (semester)

Grade Levels: 9-12

Prerequisite: None, 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

Prerequisite: None, 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 1 and 2 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.

ART STUDIO CLASSES

DRAWING 1 (semester)

Grade Levels: 10-12

Prerequisite: Art 1, Class fees

Drawing 1 class covers various techniques, materials, and basics in drawing. In addition, students will be exposed to illustration, design, perspective, and 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)

Grade 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: 11-12

Prerequisite: 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 12

PAINTING 1 (semester)

Grade 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)

Grade 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)

Grade 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, and 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 fun class to be in and a chance to put your creativity to use.

ADVANCED COMPUTER GRAPHICS (semester)

Grade Levels: 9-12

Prerequisite: Computer Graphics

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.

ARCHITECTURAL DRAWING (semester)

Grade Levels: 9-12

Prerequisite: Art 1

During the first half of the course, students will learn the basic drawing techniques common to all areas of drafting along with the study of perspective, isometric and orthographic drawings. The second half of the course will allow students to explore transferring architectural designs to the digital media format.

DRIVER EDUCATION

DRIVER EDUCATION (no credit)

The driver education program is offered through an outside source, and is not connected to Earlham Community Schools. If interested in participating in this program, please visit www.streetSMARTSDriversEd.com for more information.

FOREIGN LANGUAGE

SPANISH 1 (year)

Grade Levels: 9-12

Prerequisite: None, A minimum “C” average in English is recommended

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.

*This course is required by most of the Iowa Regents Universities.

SPANISH 2 (year)

Grade Levels: 10-12

Prerequisite: Spanish 1, A minimum “C” or instructor approval is recommended

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.

*This course is required by most of the Iowa Regents Universities.

SPANISH 3/4: May be combined (year)

SPANISH 3:

Grade Levels: 11-12

Prerequisite: Spanish 2, A minimum “C” or instructor approval is recommended

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, A minimum “C” or instructor approval is recommended

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

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

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

***ENGLISH 1 (year)**

Grade Levels: 9-10

Prerequisite: None

The 9th grade English program addresses the guiding question: What are the forces that shape identity? Literature includes poetry, plays, novels, novellas, and short stories. Use of film assists learners in a study of how the visual form reinterprets the written form. The study of literary and visual forms is done at a high school level, as the learner is taught to appreciate the author's writing style, technique, and development of plot. Focus on literature also includes study of the literary elements of setting, characterization, conflict, point of view, and theme. Development of vocabulary is stressed through the year-long study of 200 word stems, while competency of written communication is furthered as we reinforce earlier learning with online grammar modules that include lessons, notes, and cumulative reviews. Written communication explores process work, sentence and paragraph development, theme skills, and creative writing. The importance of coming to conclusions in oral and written discussions is a focus, as well as the use of technology for projects, presentations, reinforcement, research, and composition. This course is beneficial for any entry-level employment position.

Literature and film includes, but is not limited to: *The Magic of Belle Isle*, *Of Mice and Men*, *Romeo and Juliet*, "The Most Dangerous Game", "Scarlet Ibis", "Marigolds", "The Bass, the River, and Sheila Mant", *Beanball*, and *House on Mango Street*.

***ENGLISH 2** (year)

Grade Levels: 10-11

Prerequisite: English 1

The 10th grade English program addresses the guiding question: How does our journey continue to shape us? Literature includes short stories, classic novels, American novels, world literature, poetry, nonfiction, film, and plays. Learners continue to study author's style and literary elements, but work to gain perspective of the world around them and their places in that same world. Learners work to identify examples and non-examples of tolerance, empathy, integrity, and identity through the text, with journaling, and in subsequent small and large group discussions. Learners will also be exposed to a survey of American literature (Puritanism, Rationalism, Romanticism), and they will continue to build vocabulary awareness as they expand from 200 (English I) to 400 word stems. This course covers grammar and mechanics as it is related to effectively composing paragraphs and essays. Each student will complete essays that synthesize information from several sources, and require proper MLA formatting. This course is beneficial for college or any career requiring good communication skills.

Literature and film includes, but is not limited to: *The Alchemist* by Paulo Coelho, "Superman and Me", "The Bet", "Say Yes" (and other Tobias Wolff short stories), *Julius Caesar*, *To Kill a Mockingbird* or *The Bean Trees*, Anne Bradstreet poetry, Margaret Atwood poetry, *The Crucible*, and various works of nonfiction from the Rationalist and Romantic time periods in American literature.

***ENGLISH 3** (year)

Grade Levels: 11-12

Prerequisite: English 2

This course of study focuses on a survey of American literature and developing good writing skills. Composition, focusing on on sentence and essay structure as well as integrating text evidence using MLA format will be studied throughout the year. Students will compose narratives, research, compare/contrast, and creative writing pieces. 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 4 (year)

Grade Level: 12

Prerequisite: English 3

The purpose of this college-preparatory course is to review and study literary concepts and skills that college freshmen should know. The course primarily focuses on a survey of world literature, but grammar, mechanics, and composition are also emphasized. Students will be expected to synthesize information with an emphasis on writing. Students will compose comparison, analysis, thematic, research, and creative writing pieces.

***SPEECH** (semester)

Grade Levels: 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.

READING (year)

Grade Level: 9

Prerequisite: Teacher recommendation

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.

PUBLIC SPEAKING (semester)

Grade Levels: 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.

CREATIVE WRITING (semester)

Grade Levels: 10-12

Prerequisite: English 1

This is a highly individualized and student driven writing intensive course. The course will be taught in a workshop environment. Students will compose their own pieces of fiction, revise their manuscripts, and participate in peer workshops. Not only will students develop a sense of style and form, but they will also focus on voice, point of view, and theme. Genres include but are not limited to: short stories, poems, and drama.

MODERN WORLD LITERATURE (NOVELS) (semester)

Grade Levels: 11-12

Prerequisite: English 2

Students taking this course will be study the literary art form and read several novels from a variety of genres and time periods, including Romanticism, Mystery, Science Fiction, Fantasy, Biography and more. Film adaptations of novels will also be studied. Students will be expected to demonstrate their understanding through journaling, discussion and projects.

MEDIA & BROADCASTING (semester)

Grade Levels: 11-12

Prerequisite: English 2, Speech

Students taking this course will explore ways to use a variety of technologies to communicate in a variety of media formats including newspaper, television, radio and the Internet. A strong understanding of effective written and verbal communication skills is required. Students will be expected to create original products to share with a larger audience to demonstrate mastery.

MODERN AMERICAN LITERATURE (semester)

Grade Level: 12

Prerequisite: English 3

This English elective will focus on studying a selection of American Literature from the 20th and 21st century. Film adaptations of the literature will be studied as well. Students will also improve their communication skills by producing a variety of compositions, projects and presentations.

REAL WORLD WRITING (semester)

Grade Levels: 11-12

Prerequisite: English 2

This elective will focus on the practical writing applications used commonly in the “real world.” Matching tone to purpose will be a focus as students write resumes, cover letters, business correspondence, emails, letters to the editor, and more.

THEATRE ARTS (semester)

Grade Levels: 10-12

Prerequisite: Speech

This class is designed as an elective in the English department; it offers an overview of the theatrical experience. Students will explore, create, critique, and analyze different aspects of theatre and performance - from onstage to behind the scenes and as informed audience members. In this course, students will study the history of theatre, acting, improvisation, set construction, sound and lighting, costume and make-up, and other media/art forms.

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 entry-level employment positions.

***ALGEBRA 1** (year)

Grade levels: 8-12

Prerequisite: None, 8th and 9th grade students need a teacher recommendation

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, “C” or higher in Algebra 1 recommended

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.

*This course is required by the Iowa Regents Universities.

INTERMEDIATE ALGEBRA (year)

Grade Levels: 11-12, 9th or 10th with instructor 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.

*This course is not accepted as a Math credit by the Iowa Regents Universities.

ALGEBRA 2 (year)

Grade Levels: 10-12

Prerequisite: Algebra 1 & Geometry, “C” or higher in these courses recommended

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.

*This course is required by the Iowa Regents Universities.

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.

PRE-CALCULUS (year)

Grade Levels: 10-12

Prerequisite: Algebra 2, "C" or higher earned 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.

CALCULUS (fall semester) DMACC Math211-Calculus, 5 Credits

Grade Level: 12

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

Requirement: ALEKS test must be passed prior to beginning this course.

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.

STATISTICS (spring semester) DMACC Math157-Elementary Statistics, 4 credits

Grade Levels: 11-12

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

Requirement: ALEKS test must be passed prior to beginning this course.

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.

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 include 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. 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 take PE a maximum of four (4) semesters of P.E. during their high school career.

FITNESS: This course exposes students to a variety of fitness activities and the benefits of these activities to 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 students will participate 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: Physical Science, Entrance into Algebra 2 is recommended

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.

*Chemistry or Physics is required by the Iowa Regents Universities.

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.

*Physics or Chemistry is required by the Iowa Regents Universities.

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: Physical Science & 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, especially health/medical careers.

ANIMAL SCIENCE (year)

Please refer to Agricultural Education section for course description.

* Students will earn science credit at Earlham for this course. The Iowa Regents Universities will not recognize this course as a science credit.

PLANT SCIENCE (year)

Please refer to Agricultural Education section for course description.

* Students will earn science credit at Earlham for this course. The Iowa Regents Universities will not recognize this course as a science credit.

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

***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.

***GOVERNMENT 1** (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 work 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.

ECONOMICS (semester)

Grade Levels: 11-12

Prerequisite: None

Economics is a one semester course designed to include studies of general economic principles such are: 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.

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.

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.

GOVERNMENT 2 (semester)

Grade Level: 11-12

Prerequisite: Government 1

Government 2 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 50 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.

CONTEMPORARY PROBLEMS/PROBLEM SOLVING (semester)

Grade levels: 10-12

Prerequisite: None

This course is a student oriented class that requires a great deal 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 thorough 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 multiply step problems explain their thinking. This course is beneficial for a career in any social science career, including political science and sociology.

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 may be done with prior approval of the instructor. See the TAG instructor to find out if you qualify. Grade for credit will be pass/fail. Enrollment in TAG for credit is not required to be in the TAG program. Students who are in 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. Students in the TAG program are also eligible to take college-level courses through the Career Academy or through PSEO. Please see the school counselor if interested in pursuing these options.

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 during the year 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.

BUSINESS LAW (semester)

Grade Levels: 11-12

Prerequisite: Intro to Business 1

Business Law emphasizes business and consumer applications within the frameworks of federal, state, and local laws. Students will examine the relationship of law and ethics, contract law, sales law & employment law. This course is a foundation in law for those planning to major in business in college to pursue business careers and for personal and consumer applications.

ACCOUNTING 1 (semester)

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 is beneficial for those thinking about at career in accounting, business, or management.

ACCOUNTING 2 (semester)

Grade levels: 10-12

Prerequisite: Accounting 1

This course expands upon the information covered and skills developed in Accounting 1.

***PERSONAL FINANCE** (semester)

Grade Levels: 10-12

Prerequisite: None

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. This class covers all of the 21st Century financial literacy skills that are listed in the Iowa Common Core.

*This course will be required starting with the class of 2016.

MARKETING

MARKETING 1 (semester)

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. Students will learn about aspects of marketing from producing through distribution channels to the consumer. This course would be beneficial for students who are thinking of a career in business, marketing, or management.

MARKETING 2 (semester)

Grade levels: 10-12

Prerequisite: Marketing 1

This course expands upon the information covered and skills developed in Marketing 1.

PUBLICATION DESIGN: YEARBOOK (year)

Grade Levels: 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

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.

Limit 15

FOODS 2 (semester)

Grade Levels: 9-12

Prerequisite: Foods 1

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.

Limit 15

AGRICULTURE EDUCATION

CASE INTRO TO AGRICULTURAL SCIENCE (year)

Grade Levels: 9-12

Prerequisite: None

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.

CASE PLANT SCIENCE (year)

Grade Levels: 10-12

Prerequisite: Intro to Ag. Science

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.

* Students will earn science credit at Earlham for this course. The Iowa Regents Universities will not recognize this course as a science credit.

CASE ANIMAL SCIENCE (year)

Grade Levels: 10-12

Prerequisite: Intro to Ag. Science

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.

* Students will earn science credit at Earlham for this course. The Iowa Regents Universities will not recognize this course as a science credit.

AG. BUSINESS MANAGEMENT (semester)

Grade Levels: 10-12

Prerequisite: None

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.

GREENHOUSE MANAGEMENT (semester)

Grade Levels: 9-12

Prerequisite: None

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.

CONSERVATION & NATURAL RESOURCES (semester)

Grade Levels: 10-12

Prerequisite: None

This course is an expansion upon some of the topics covered in the Intro to Ag. Science course. Intro to Ag. Science, however, is not a prerequisite. The course will start with a review of topics of soil: soil profiling, erosion, and eventually lead into soil judging. Soil will be a primary focus during September and October to prepare for the FFA soil-judging contest. The focus will later turn toward land usage and conservation practices. Students will find out more about farming practices, better understand pesticides and their usage, and be able to give land descriptions and identify land capability classes. Toward the end of the course, topics such as weather patterns and the water cycle/pollution will be covered. Throughout the course, there will be an underlying theme of exploring careers in conservation and natural resources.

AG. MECHANICS (semester)

Grade Levels: 9-12

Prerequisite: None

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

AG. WELDING (semester)

Grade Levels: 9-12

Prerequisite: None

Ag. Welding is an expansion of what is learned in Ag Mechanics. It is recommended that students take Ag. Mechanics prior to this course, but it is not required. Ag Welding focuses on three types of welding: Mig, Arc and Oxy Acetylene. This course will also allow students to learn how to properly cut metal with a plasma cutter as well as an Oxy Acetylene torch. During the first part of the semester, students will focus on safety and a list of welding types and positions that students will have to master. Students will develop a write up for a project. The second half of the semester will be dedicated to the completion of the metals project that the students prepared earlier.

AGRONOMY (CROP SCIENCE) (semester)

Grade Levels: 11-12

Prerequisite: None

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.

AG. INDEPENDENT STUDY (semester)

Grade Levels: 10-12

Prerequisite: Instructor approval

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.