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Colors:

Purple- deleted from the handbook.

Blue- changed or added from the previous year.

Adel DeSoto Minburn

High School



Course Catalog
2012-2013

ADEL DESOTO MINBURN HIGH SCHOOL **2012-2013 REGISTRATION MATERIALS**

EQUAL OPPORTUNITY, AFFIRMATIVE ACTION, AND **MULTICULTURAL NONSEXIST GUIDELINES**

Adel DeSoto Minburn High School does not discriminate in its educational programs and activities on the basis of race, national origin, color, religion, sex, age, or disability. The District has adopted a grievance policy and procedure for any alleged violation. The equity coordinator is: Nancy Gee, Business Manager, 801 Nile Kinnick Dr. S., Adel, IA 50003. Phone number: 993-4283. Office hours: 8 a.m. to 4:30 p.m., Monday through Friday.

GRADUATION REQUIREMENTS

Seniors are required to serve 6 hours of community service prior to graduation.

Students of Adel DeSoto Minburn High School must earn 44 credits to graduate. One credit is earned for successfully completing one subject one semester. The following credits are required:

Area	Credits	Required Courses
Mathematics	6	<i>See #3 in Additional Information</i>
Science	6	Physical Science and Biology
English	8	English I, English II, Composition, and Speech
Social Studies	7	Geography, World History, American History, Government, and Economics
Computers	1	Courses that count toward this credit are any computer course, Automated Advanced Accounting, Communications, and any drafting course. Students entering ADM High School beyond the 9 th grade will be required to take a computer class other than Data Processing.
Physical Education	1	Students must pass 8 semesters of PE (.125 credit per semester).

The remaining credits are electives.

IOWA TESTS (formally ITED testing):

- All students 9-11 are required to take the Iowa Tests
- During these tests, senior students must either:
 - Check into study hall in the commons and remain there
 - or
 - Leave the high school building during testing times

HONORS DIPLOMA

Students attempting to earn an ADM Honors Diploma must meet the following criteria:

Required to successfully complete the following courses:

- Physics
- AP English Literature and Composition I or 2
- American Literature
- 4 years of Math
- 3 years of a foreign language, 4 years strongly encouraged
- Overall grade point average of at least a 3.5
- Earn 52 credits

Class of 2016 and beyond Criteria:

Required to successfully complete the following courses:

- Physics
- AP English Literature and Composition I or 2
- American Literature
- 4 years of Math
- 4 years of a foreign language
- 1 AP Social Studies Course
- Overall grade point average of at least a 3.5
- Earn 52 credits

ALTERNATIVE PROGRAMMING

Students pursuing any type of alternative programming must apply through the counseling office to be considered for an alternative program. Students are required to meet the following criteria: Students must take 6 credits at ADM High School prior to being considered for alternative programming. Students must earn 34 credits to earn a level II diploma, completing all core requirements. Students who have been approved for an alternative program and attend the DMACC high school completion center, will be guided to work towards an ADM Level II Diploma unless a regular diploma is within reach and can be obtained. These students will only be eligible to participate in graduation ceremonies and prom at ADM.

ADDITIONAL INFORMATION

1. Students are required to carry at least 6 academic credits plus P.E. each semester. Neither P.E. nor Driver Education counts as 1 of the 6. If students do not have at a minimum of 6 academic credits, they are considered half time students and will not be eligible for any extra curricular activities.
2. IT IS THE STUDENT'S OBLIGATION TO SIGN UP FOR THE PROPER COURSES TO MEET GRADUATION REQUIREMENTS. IF A STUDENT HAS FAILED A REQUIRED COURSE, IT IS THE RESPONSIBILITY OF THE STUDENT TO MAKE UP THE DEFICIENCY AS SOON AS POSSIBLE. Students should plan to promptly reschedule a failed course, which is required for graduation. This course should be scheduled in the proper sequence (example – English I before English II).
3. Any students who score at the 40th percentile or below on the ITED Math Concepts and Problems section during their Junior year ITED test, will be required to take a math course the following year, whether or not they have met or exceeded graduation requirements in math. If a student is required to take a math course because of a low ITED score, the course will be chosen by an agreement between the student, parents, counselor, and math teacher.
4. Any 9th and 10th grade students scoring below the 45th percentile on the ITED Reading Comprehension test will be required to take the Strategic Reading course. Students will continue to qualify for this course based on their ITED scores each year.
5. The graduating class of 2015 (Freshman), will be required to take Chemistry as a graduation requirement. For students who have not successfully completed Algebra II with a C- or above, or are not concurrently taking Algebra II, there will be a Chemistry course offered for that select group of students. These students will be identified and registered for this course by the high school counselor and administration.
6. Students may take only one studio art course per semester; unless there is teacher and administrator permission.

7. Transportation is offered from DeSoto and Minburn for Driver Education on Tuesdays and Wednesdays during the school year. Students in other early bird classes may ride the Driver Education bus on those days, until the class ends near the end of each semester.
8. PSEO and all college level course grades are included in the students overall GPA. These courses are not weighted. Students are responsible for providing their own transportation to and from these courses.

GRADUATING EARLY

A student may qualify for early graduation if he/she has completed the minimum high school requirements. The student must have approval of their parents, the principal, the superintendent, and the Board of Education. Students planning on graduating at the end of the first semester of their senior year should contact the guidance office by the end of the first semester of their junior year. This will help ensure that all course work required for graduation can be scheduled during the remaining two semesters. Students who graduate early become alumni of the school district and are not allowed participation in school activities, including senior activities, except for prom and graduation ceremonies. The approval of the Board of Education shall be necessary to qualify.

REGISTRATION PROCEDURES/and SCHEDULE CHANGES

A great deal of planning is done based on your 4-year plan. We ask that you register carefully for your classes. Please include two alternate course requests in the event the first choices do not work into your schedule. You and your parent/guardian need to sign your 4-year plan before turning it in to your advisor. **Students may change their schedule the first week of school (five school days).** Students must have parent permission to make the change. Some possible required schedule changes include (but not limited to): Failure in first or second semester course(s), special education placement, failure to meet course prerequisite, shortage of credits in required courses for graduation. 4-year plans will be reviewed each year. During this process students are encouraged to evaluate the courses they have chosen and make changes as necessary based on new interests or future plans. Parents will be required to sign off on these plans each year. In essence, the 4-year plan is a one-year plan with potential courses for the future.

RECOMMENDED HIGH SCHOOL COURSES FOR COLLEGE ADMISSION

4-year colleges vary in their requirements, but generally speaking they strongly recommend the following high school background:

English:	4 years, with emphasis on writing and literature courses
Math:	3-4 years, including Algebra I, Geometry, and Algebra II
Science:	3-4 years
Social Studies:	3 years
Foreign Language:	2-4 years

If you take less than the colleges recommend, you will be at a disadvantage because the Iowa Board of Regents has established the Regent Admission Index (RAI). Each freshman admission applicant will have an RAI score that will be based on the following equation:

ACT composite score	x	2
+ Percentile class rank	x	1
+ Cumulative High School GPA	x	20
+ <u>Number of core courses completed</u>	x	<u>5</u>
= RAI score		

Students who have an RAI score of 245 or greater and the required core subject area courses,

will be eligible for automatic admission to any of the Regent schools, www2.state.ia.us/regent/rai.

ADM Core Courses for RAI Calculations

(Regents Schools: ISU, U of I, & UNI)

Language Arts

English I
English II
Honors English II
American Literature
Speech
Contemporary Literature
Composition
AP English Language Composition
Creative Writing
AP Literature and Composition
Strategic Reading
I, II, III

Math

Algebra I
Geometry
Algebra II
Advanced Math/Pre-Calc
AP Calculus
Statistics

Foreign Language

French I, II, III & IV
Spanish I, II, III & IV

Science

Physical Science
Biology
Chemistry
Physics
Environmental Science
Physiology
AP Chemistry

Social Science

Geography
World History
AP World History
American History
AP American History
American Government
Economics
Psychology
AP Psychology
Sociology
AP Government

Iowa State University

Most students going to I.S.U. first enroll in the College of Liberal Arts and Sciences. (The other colleges are Agriculture, Business, Design, Education, Engineering, and Family and Consumer Sciences.) Following are entrance requirements for the College of Liberal Arts and Sciences:

1. RAI score of 245 or greater
2. Complete the following high school courses:
 - English: 4 years (Applied Communications, Communications, Publications, and Reading for Life will not count.)
 - Math: 3 years (Alg. I, Geometry, Alg. II) – Pre-Algebra will not count.
 - Science: 3 years (2 years must be from biology, chemistry, or physics)
 - Social Studies: 3 years
 - Foreign Language: 2 years of a single language (3 years to satisfy L.A.S. graduation requirement)

University of Iowa

Freshmen are admitted to either the college of Liberal Arts or the College of Engineering. Following are entrance requirements for the College of Liberal Arts:

1. RAI score of 245 or greater
2. Complete the following high school courses:
 - English: 4 years (The following will not count: Communications, Publications, Applied Communications, Reading for Life.) Must include one year of composition.
 - Math: 3 years (Alg. I, Geometry, Alg. II) – Pre-Algebra will not count.
 - Science: 3 years (2 must be from biology, chemistry, or physics)
 - Social studies: 3 years
 - Foreign language: 2 years of a single language (4 years to satisfy U of I graduation requirement)

Not required, but strongly recommended, are courses in the arts and humanities, a computer course, and additional study in math and foreign languages.

University of Northern Iowa

1. RAI score of 245 or greater
2. Complete the following high school courses:
 - English: 4 years (Applied Communications, Publications, Communications, Reading for Life do not count.) Must include one year of composition.

Math: 3 years (Alg. I, Geometry, Alg. II) – Pre-Algebra will not count.

Science: 3 years

Social Studies: 3 years

Foreign Language: Students must complete 2 college semesters of a single foreign language to graduate from U.N.I. This requirement may be met with 2 years of the same language in high school, but a C or better must be earned in the last course.

Electives: 2 years (Additional courses from subject areas above are acceptable; may include foreign language and/or fine arts.)

NCAA CORE COURSES

Athletes who plan to participate in sports at the Division I or II level must earn a qualifying high school grade point average in 16 core courses. The "NCAA Guide for the College-Bound Student-Athlete," which contains the rules and regulations, can be obtained online.

ENGLISH

AP Literature and Composition
AP Language and Composition
American Literature
English Literature and Composition
Composition
Contemporary Literature
Creative Writing
English I
English II
Honors English II
Intro to Speech
Speech

MATHEMATICS

Advanced Math
Algebra I
Algebra II
AP Calculus
Geometry
Statistics

SOCIAL SCIENCE

American Government
AP Government
American History

AP American History

AP Psychology

AP World History

Psychology

Geography

AP Psychology

Sociology

World History

NATURAL/PHYSICAL SCIENCE

Biology (Lab)

Chemistry (Lab)

AP Chemistry (Lab)

Environmental Science

Human Physiology I (Lab)

Human Physiology II (Lab)

Physical Science (Lab)

Physics (Lab)

ADDITIONAL CORE COURSES

Computer Programming

French I, French II, French III,
French IV

Spanish I, Spanish II, Spanish III,
Spanish IV

COLLEGE CREDIT OPPORTUNITIES

PSEO, Career Advantage DMACC Course Requirements

- a. All students **MUST** meet the following criteria to take a PSEO or Concurrent enrollment course; (including our Statistics course)
 - i. Students must be proficient, at the 41st percentile, in Math, Reading and Science on the latest ITED tests.
 - ii. Students must meet college requirements to take the course. Some courses have GPA requirements and others have a level that needs to be met. (DMACC could require a student to take the Compass test to determine this level).
 - iii. **ONLY** 11th and 12th grade students are eligible **UNLESS** a 9th or 10th grade student is identified GATE and has it in their PEP.
- b. Career Academy Courses (Perry Center)
 - i. DMACC Perry campus will offer college credit courses available to our students, if students meet enrollment requirements.

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 - iii. Students must meet college requirements to take the course. Some courses have GPA requirements and others have a level that needs to be met. (DMACC could require a student to take the Compass test to determine this level).
 - iv. 9th and 10th grade students are eligible to take these classes but need to realize they must take the ADM required courses at their grade level and have 3 periods open to be able to take a course off campus. They are also responsible for their own transportation (school permits will not work for these courses).

Courses offered through PSEO, Career Advantage, on-line cannot supplant, which means that a college class has SUBSTANTIALLY the same concepts and skills as the high school class. Students would be required to take the ADM course.

Students, who sign up for a college level course, on-line or at a campus, need to understand the consequences for dropping the course. There are two different grades that are issued for a college level course, a high school grade and a college grade.

If a student drops a course:

- Within the first 10 days of the course start date then the student will not receive a grade on either transcript.
- After the first 10 days, they will receive an F on their high school transcript, but a withdrawal on their college transcript.
- After the specified college-drop date, the student will receive an F on both transcripts.
- Students MUST know that if dropping the college level course reduces the student total number of credits below 6, the number required to be a full time student at ADM, they will be ineligible for extra-curricular activities and will be required to be in study-hall.

ADM Advanced Placement (AP) Courses

Students who are interested in taking AP courses need to have the motivation and perseverance to complete college-level work. The ultimate goal is successful completion of the AP exam offered in May by the College Board. This allows students the potential to earn three or more college credits per class.

Students at Adel Desoto Minburn High School may enroll in Advanced Placement classes at the high school. The curriculum is equivalent to a first year college course. This accelerated pace course requires students to gain teacher and parental approval. The student is encouraged to take a post-test (at their expense) to also qualify for college credit for the course. Students who qualify for college credit, by earning a 3, 4 or 5 on the exam, will be reimbursed a portion of the test expense.

All AP courses will be graded, count into the students GPA and affect a students class rank. Students who take the AP exam receive a weighting of one quality point on their GPA. Students who do not take the AP exam will not receive a weighted grade. We report these weighted and unweighted grades on report cards and transcripts. Along with the grades we report weighted and unweighted class rank on a student's transcript.

Percentage	Grade	Non-weighted Quality Points	Weighted Quality Points
100%	A+	4.0	5.0
95%	A	4.0	5.0
93%	A-	3.67	4.67
91%	B+	3.33	4.33
87%	B	3.0	4.0
85%	B-	2.67	3.67
83%	C+	2.33	3.33
80%	C	2.0	3.0

AP Courses offered AT ADM High School:

Calculus
Chemistry (with College Board approval)
English Language and Composition
English Literature and Composition
Government and Politics: United States
Music Theory
Psychology
Statistics
United States History
World History

AP classes **NOT OFFERED AT ADM HIGH SCHOOL** may be taken on-line. These courses will be weighted on the same method that our in-house AP courses are weighted, one point if the AP exam is taken.

TRANSFER IN COURSES including AP

Students that transfer into ADM will have their transcripts evaluated by the principal or designee. Student grades will be converted to the ADM grading scale; for example if the student earned a B in the previous district, that B will be converted to ADM's grading scale for grade point average. Student's class rank will be assigned based on their ADM GPA.

Students transferring in to ADM High School with Advanced Placement courses will be allowed to have these AP courses weighted on the same scale as ADM's AP course under these conditions: The AP course must have been taken during or following the 2010-2011 school year. AP courses taken prior to when ADM started weighting AP courses, will not be weighted. Students must show proof that they took the AP end of course exam. Academic recognitions by the ADM Community School District will include both weighted and non-weighted grading systems. (i.e. grade point averages, class rank, graduation honors, etc.)

CONCURRENT ENROLLMENT CLASSES

Concurrent enrollment classes automatically count as college credit and high school credit upon successful completion of the course. These courses are not weighted and will be on the 4.0 scale. Dual enrollment courses offered at ADM High School:

Statistics

CAREER ADVANTAGE AND ACADEMIES

Career Advantage classes are high school sections of college classes and are, except for career academy classes, taught by high school teachers certified as DMACC teachers. Students can earn college credit in both Career Advantage and Career Academy classes. Career Academy courses are multiple courses in a content area bundled together. Students must register for all of the courses in a bundle. Career Academy courses are a set of integrated courses in a number of vocational areas, the classes would involve the student spending a block of the day at a DMACC campus and half a day at ADM. ***The student would be responsible for transportation*** and the high school would pay the cost for all successfully completed, with a D or higher, in the class. Applications for this course work are available in the counseling office.

Programs	College Credit Hours Available
Agriculture	16
Automotive Collision	27
Automotive Technology	27 (ADM Pre requisite: Small Engines)

Criminal Justice	16
Culinary Arts	25
Diesel	21
Health Occupations	14
Information Technology/	14
General Business	6 or more (ADM Pre requisite: 1 year Accounting)
Building Trades	21 (ADM Pre requisite: Introduction to Construction, Finish Carpentry, ABC Electrical 1 & 2, CAD 1-IV)
Fashion Design	6 or more
Teacher Academy	8
Visual Communications	12
Welding	9 (ADM Pre requisite: General Metals)
Career Work Experience	13

Course descriptions for all AP courses are found below in the ADM Course Information section. Students can find course descriptions for Career Academy and Dual Enrollment courses through the high school counseling office. Please read the descriptions carefully to be sure you are meeting all the prerequisites and are at the correct grade level to take the course.

CENTRAL CAMPUS/CENTRAL ACADEMY CLASSES

Des Moines Independent Community Schools offers over 30 vocational and advanced classes at their central campus. Juniors and seniors may enroll in these classes on a half-day basis. A wide variety of advanced curriculum courses are offered at Central Academy. A listing of classes available is listed at www.drmps.k12.ia.us/schools/3CentralCampus/caindex.htm.

If similar courses are offered through the DMACC Perry center, students will be required to take those courses rather than Central Campus courses.

Three credit classes are recommended to justify the periods used to travel to Central Campus. In order to be eligible to take these advanced classes, students must take all the courses ADM offers in that area first. In addition, students must fulfill core requirements at ADM to be eligible to either take or continue with these courses. Students need to fill-out an application for consideration to this program. **Transportation to Central Campus (1600 Grand) is the responsibility of the student.** Scheduling for graduation requirements take priority. See counselor for classes offered and deadlines for registration.

Areas of study at Central Campus:

Aviation Technology, Commercial Photography, Computer Tech & Networking
Early Childhood Careers, JROTC Army, Marine Biology
Adv. Broadcast and film

Students need to sign up for at least a three-credit hour class, or combination of classes, to justify the time needed away from ADM.

TRANSCRIPTS

Student transcripts generated by ADM will include both non-weighted and weighted grade point averages as well as both non-weighted and weighted class ranks. Students trying to qualify for any academic recognition will be able to use the scale that provides the best opportunity for them to qualify.

ADM Course Information

ART

ART FUNDAMENTALS (1 year) Elective Grade 9 - 12

This class is required before taking other art classes (except for Jewelry and Digital Photography). This course is a survey and utilization of basic art areas such as drawing, ceramics, printmaking, painting, and mixed media. The elements of art and principles of composition will be reviewed and applied to each unit studied. Originality and self-expression are encouraged. The course should enable the student to find his/her own artistic strengths and to help in the selection of advanced art classes.

ART II: MIXED MEDIA (1 semester) Elective Grades 10 - 12

Prerequisite: Art Fundamentals

This class is designed for the student who has completed Art Fundamentals and wishes to continue working in a variety of media creative combinations of media. The student will continue to develop technical skills and original expression. Sophomore level students are encouraged to consider this course.

CERAMICS Semester I (Semester 1) Elective Grades 10 - 12

Prerequisite: Art Fundamentals

This class explores various techniques of clay: hand-built, thrown pottery, ceramic sculpture and glazing. The student will have the opportunity to work with earthenware, stoneware and raku clay. An outdoor firing will give the students the opportunity to use raku technique (developed in Japan) and/or blackware (developed by Native American culture.)

CERAMICS Semester 2 (Semester 2) Elective Grades 10 - 12

Prerequisite: Art Fundamentals

A "two-track system in this class will allow students who have not taken a semester of Ceramics to take the class while following the curriculum for Ceramics Semester 1 class. Those who have taken a semester of Ceramics will follow a more advanced track having a opportunity to explore more advanced independent projects and will have more opportunity to develop throwing skills on the potter's wheel. Students in both tracks will take part in this semester's outdoor raku firing.

PAINTING AND DRAWING (1 semester) Elective Grades 10 - 12

Prerequisite: Art Fundamentals

This class is for the student who enjoys working in two-dimensional media. The student will use a variety of drawing media: graphite, charcoal, pastel, and ink. Painting media will include watercolor, tempera, acrylic and oils. Focus will be on developing technical skill with creative expression. Art history will also expose students to various styles and ways to help students explore their own style of painting and drawing.

DIGITAL PHOTOGRAPHY (1 semester) Elective Grades 10 - 12

Students will learn how to use a digital camera as an art tool, applying the principles of design and composition to their work. Students will also learn to use computer software Adobe Photoshop Elements to enhance and alter photography. Students are required to have a digital camera and flash drive to use for this course.

DESIGN (1 semester) Elective Grades 10 - 12

Prerequisite: Art Fundamentals

Design students will explore the use of design in art, especially in the areas of marketing and commercial art. They will use their own creativity using mostly drawing and painting with

attention to elements and principles of art. They will also use computer software such as Adobe Photoshop Elements to explore the rising field of graphic art in today's market place.

JEWELRY

(1 semester) Elective Grades 10 - 12

This course will explore various metals and other jewelry media as an expressive art form with the emphasis on excellent craftsmanship. Skills learned will include sawing, forming, etching, soldering, and stone setting. Students will also have the opportunity to explore the making of glass beads. A variety of metals will be available for use such as brass, copper, and nickel silver. There will be charges for the expense of any optional findings, stones and/or more expensive metals.

JUNIOR-SENIOR ART STUDIO I

(1 semester) Elective Grades 11, 12

This class is for the upper-level high school artist who has a good background in a variety of media. It is suggested that the student have 3-5 previous semesters of art. Individual projects will allow the student to expand on his/her area of strength. This class is for the serious art student with initiative that desires to take their art to a higher level.

JUNIOR-SENIOR ART STUDIO II

(1 semester) Elective Grades 11, 12

This course follows the same curriculum as Junior-Senior Art Studio I. (See above course description.)

BUSINESS EDUCATION

GENERAL BUSINESS

(1 semester)

Elective

Grades 9 -12

The purpose of this course is to prepare students to more effectively handle the business problems that confront them daily, as well as to have a more complete understanding of how to be an effective consumer in today's society. Areas of study include consumer rights & responsibilities, banking, insurance, use of credit, budgeting, and investments.

BUSINESS LAW

(1 semester)

Elective

Grades 10 - 12

The purpose of this course is to familiarize the student with his or her legal rights and responsibilities as they apply to daily life. Among the areas covered are the constitution, crimes, torts, laws for special groups (minors, families, consumers), and contract law.

MARKETING

(1 year)

Elective

Grades 10 - 12

The purpose of this course is to introduce students to the important role marketing plays in the business world. Marketing will expose students to the basic marketing functions. These include seven marketing core functions that define all the aspects and career areas related to marketing: channel management, marketing information management, market planning, pricing, product/service management, promotion, and selling (entrepreneurship).

ACCOUNTING

(1 year)

Elective

Grades 10 - 12

The purpose of this course is to familiarize students with accounting procedures and forms. The complete accounting cycle is covered. This includes recording transactions in the journal, sorting and summarizing (posting) in the ledger, the work sheet, and making financial statements.

AUTOMATED ADVANCED ACCOUNTING

(1 semester)

Elective

Grades 11,12

Prerequisite: able to demonstrate mastery of the competencies studied in Accounting

The students will use the computer to record, analyze, and print statements related to the accounting cycle. This course will build on the beginning accounting principles and go into great detail on additional principles such as departmentalized, partnership, corporation, management, and cost accounting.

Computers

DATA PROCESSING

(1 semester, every day) Required Grade 9 only

This course will cover the following topics: computer applications, digital citizenship, and computer literacy. A majority of class assignments will be completed on ADM's Google Apps web-based system, which includes Word Processing, Spreadsheets, Drawing, Presentations, and Forms. Typical documents created include reports, outlines, business cards, newsletters, travel brochures, budgets, slide shows, and various graphic design pieces. Other topics and applications include Web 2.0 tools such as Prezi, Wordle, Diigo, and Symbaloo. Additionally, iMovie, Google SketchUp and Google Earth will be introduced. An emphasis is placed on proper use of technology, ethically and morally, in school, business, and consumer settings.

COMPUTER PROGRAMMING

(1 year) Elective Grades 10 - 12

Prerequisite: Algebra I

This course will introduce problem solving and using the True Basic language. It will introduce fundamental structured programming techniques such as algorithms, drawing flow charts, and developing programs that include loops and subroutines. Programs that use sorts and math topics such as matrices will be written.

Advanced PROGRAMMING

(1 year) Elective Grades 11, 12

Prerequisite: Successful completion of Computer Programming

This class will take students who have successfully completed Computer Programming and expose them to more advanced ideas and uses for programs. Students will continue to work with basic programming algorithms and structures but with the Object Oriented Programming language to create programs. They will also learn to create applets that can be used with web pages.

INTRODUCTION TO WEB PAGE DESIGN

(1 semester) Elective Grades 9 – 12

The focus of this class is web page development. Students will be expected to learn principles of good web page design. The class will use Dreamweaver as the design program. Time will also be spent to understanding and using HTML and the history and development of the internet/web. Another important aspect of the class will be to work with computer graphics using the program Photoshop Elements, digital cameras, scanners, and/or clip art as necessary.

COMPUTER MULTIMEDIA

(1 semester) Elective Grades 10 - 12

The focus of this class will be multimedia presentations other than the Internet. Programs used will be iMovie, iDVD, Garage Band and other programs as necessary. Students will learn to use the unique characteristics of these programs to create meaningful and informational presentations. Students will have opportunities to work with digital cameras, scanners, and video equipment to create, edit and produce audio and video products.

FAMILY AND CONSUMER SCIENCE

FAMILY & CONSUMER SCIENCE I (Prerequisite for Foods and Adv. Foods)

(1 semester) Elective Grades 9 - 12

The 10-12 week foods unit is comprised of studies in the areas of nutrition, eggs, meat, fruits and vegetables, bread, cakes, and pies. A short holiday-baking unit is included near the winter holiday season, as time permits. The housing unit includes a study of housing choices and interior design. The unit concludes with an individual floor plan design.

FAMILY & CONSUMER SCIENCE II

(1 semester) Elective Grades 9 - 12

The 9-week clothing unit focuses on perfecting basic sewing skills and learning new techniques that can then be utilized in a sewing project. The child development segment begins with a human sexuality and birth control section. This is followed by a thorough study of infants and their care.

FOODS

(1 semester) Elective Grades 10 - 12

Prerequisite: Successful completion of Family & Consumer Science I or mastery of a written and practical exam (Completion of Exploratory Family & Consumer Science does **NOT** qualify.)

This course begins with food preservation and canning. Other units covered are grains, cereals and rice, as well as fruits and vegetables. A baking unit includes cookies, cakes and pies. Nutrition, meal planning, and consumer buying are integrated throughout this class. This course expands and perfects basic kitchen skills such as measurement, safety and sanitation skills taught in Exploratory and Family & Consumer Science I.

ADVANCED FOODS

(1 semester) Elective Grades 10 - 12

Prerequisite: Successful completion of Foods or mastery of a written and practical exam

Units included in the class are meat cookery, milk and dairy products, and cheese and egg cookery. Also included is a lengthy unit in learning about and preparing the foods of other cultures, and the year concludes with perfecting skills in cake decorating. Integrated throughout the semester is food safety and cleanliness and nutrition. Students utilize and expand cooking skills learned previously in Foods and Family & Consumer Science I.

CHILD DEVELOPMENT

(1 semester) Elective Grades 11, 12

The responsibilities and rewards of parenthood will be emphasized throughout this course. Meeting the special needs of children will be included with the study of the physical, mental, social and emotional development of children. Students will be given as many opportunities as possible to actually work with and observe children. Baby simulators provide students with realistic baby-tending needs. Field trips to a birthing center and a special needs children's center are part of this class.

FAMILY LIVING

(1 semester) Elective Grades 11, 12

This course is designed to study the social dynamics of family life. Topics studied are: history, functions and structures of families, communication, problem-solving, mate selection, marriage, life-styles, marital adjustments, family economics, family law, divorce, aging, death and dying. Guest speakers and field trips are part of this class.

FOREIGN LANGUAGE

FRENCH I

(1 year) Elective Grades 9 - 12

Prerequisite: Completion of current English class with a **C- or above, score 42% or above** on

the Language Arts Test on ITBS or ITED (National)

In French I, students learn the basic grammatical structures and vocabulary for simple communication in French. Emphasis is on the spoken language, which is practiced in small groups, pairs, and individually. Listening, reading, and writing are also emphasized as a means to acquire fluency. The culture, civilization and geography of French-speaking countries will be introduced, including a study of festivals and holidays. Many everyday situations, which one would encounter as a traveler in French-speaking countries, provide material for study. Realia from Francophone countries, the Internet, literature, film clips, and authentic cooking projects provide a cultural context for the student.

Students must pass the first semester to continue to second semester. To enroll in French II, student's in French I must pass the first and second semester with a **C- or higher or teacher recommendation**.

FRENCH II

(1 year) Elective Grades 10 - 12

Prerequisite: Must pass French I the first and second semester with a **C- or higher or teacher recommendation**.

French II builds on the skills and concepts learned in French I. Students will explore the French and Francophone world more in depth, including a study of the regions of France. Oral and written activities provide practice in speaking, listening, writing, reading, and cultural understanding both in-group and individual settings. Emphasis is on the spoken language and students are expected to speak in French when possible. Realia from Francophone countries, the Internet, literature, film clips, and authentic cooking projects provide a cultural context for the student.

Students must pass first semester with a grade of **C- or higher** to continue to second semester. Students must pass second semester with a **C or higher** to continue on to French III.

FRENCH III

(1 year) Elective Grades 11 - 12

Prerequisite: French II second semester grade of **C or higher**

With a course-long emphasis on oral communication, French III begins with a review of grammar previously studied in French II. Students are expected to participate as much as possible in French and the class is conducted in French. In addition to advanced grammar study, students will embark on the study of the French history and architecture. Realia from Francophone countries, the Internet, literature, film clips and authentic cooking projects provide a cultural context for the student.

Students must pass first semester with a grade of **C or higher** to continue to second semester. Students must pass second semester with a **C or higher** to continue on to French IV.

FRENCH IV

(1 year) Elective Grade 12

Prerequisite: French III second semester grade of **C or higher**

Grammar and vocabulary previously learned is reviewed, used in a contextualized manner and expanded. Oral proficiency is emphasized and students are expected to participate fully in French. Students will read French literature excerpts and continue the study of French history and architecture. Topics relating to current world issues involving Francophone countries will be discussed. Francophone Realia, art, film clips, and authentic cooking projects are used to supplement cultural studies. Class discussions will be held in French.

SPANISH I

(1 year) Elective Grades 9 - 12

Prerequisite: Completion of current English class with a **C- or above, score 42% or above** on the Language Arts Test on ITBS or ITED (National)

Students learn the basic grammatical structures and vocabulary for simple communication in Spanish. Studies include an introduction to customs and geography of the Hispanic countries of the world. Speaking, listening, reading and writing are emphasized as a means to acquire fluency.

Students must pass the first semester to continue to second semester. To enroll in Spanish II, students in Spanish I must pass the first and second semester with a **C- or higher or teacher recommendation**.

SPANISH II

(1 year) Elective Grades 10 - 12

Prerequisite: Must pass Spanish I the first and second semester with a **C- or higher or teacher recommendation**

Spanish II builds on the skills and concepts learned in Spanish I, and emphasizes improved communication, writing, and reading skills through the study of more advanced grammatical structures and vocabulary. Vocabulary and grammar are incorporated into thematic units. Students are expected to use Spanish in the classroom every day.

Students must pass first semester with a grade of **C- or higher** to continue to second semester. Students must pass second semester with a **C or higher** to continue on to level III.

SPANISH III

(1 year) Elective Grades 11 - 12

Prerequisite: Spanish II second semester grade of **C or higher**

In this course the skills learned in Spanish I and II will be expanded and applied to reading, understanding the spoken language, and speaking more fluently. There is an emphasis to express self correctly. Advanced grammar structures are introduced as well as Spanish Literature. Students are expected to speak in Spanish when possible.

Students must pass first semester with a grade of **C or higher** to continue to second semester. Students must pass second semester with a **C or higher** to continue on to level IV.

SPANISH IV

(1 year) Elective Grade 12

Prerequisite: Spanish III second semester grade of **C or higher**

Students will refine their communication skills and work to improve their ability to reason and explain their own thoughts and views in Spanish. Studies include Spanish Literature, an in-depth view of Spain and Mexico, and using advanced grammatical structures accurately. Students are expected to use Spanish.

INDUSTRIAL TECHNOLOGY

PROJECT LEAD THE WAY

Introduction to Engineering Design (PLTW)

(1 year)

Elective

Grades 9-12

Prerequisites: Successful completion of or Concurrent Enrollment in Algebra or

Geometry. Also refer to the College Credit Opportunity section b, letter ii; students must meet the 41st percentile proficiency rank in Math, Reading Comprehension and Science.

Introduction to Engineering Design (IED) is a high school level course that is appropriate for 9th or 10th grade students who are interested in design and engineering. The major focus of the IED course is to expose students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. IED gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning. Used in combination with a teaming approach, APPB-learning challenges students to continually hone their interpersonal skills, creative abilities and understanding of the design process. It also allows

students to develop strategies to enable and direct their own learning, which is the ultimate goal of education.

PRINCIPLES OF ENGINEERING

Elective Grades 10-12

Required: Introduction to Engineering

Also refer to the College Credit Opportunity section b, letter ii; students must meet the 41st percentile proficiency rank in Math, Reading Comprehension and Science.

Principles Of Engineering (POE) is a high school-level survey course of engineering. The course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high tech career POE gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning. Used in combination with a teaming approach, APPB learning challenges students to continually hone their interpersonal skills, creative abilities, and problem solving skills based upon engineering concepts. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education.

GENERAL METALS

(1 semester) Elective Grades 10 - 12

Recommended: Introduction to Construction I and II

Students who enroll in this course will have the opportunity to be informed of occupations in the metals industry, develop an appreciation of good design and craftsmanship, develop good safety and health practices and enjoy valuable experiences with metalworking tools, materials, and processes. The specific areas involved will be heat-treating foundry, forging, bench metal, sheet metal, and welding.

CABINETRY

(1 semester) Elective Grades 10 - 12

Recommended: Introduction to Construction

This course will develop skills needed in the making of furniture, cabinets, and other items related to construction. The focus will be on skills needed in the construction industry.

INTRODUCTION TO CONSTRUCTION I

(Semester) Elective Grades 9 - 12

This is a required first class for the ABC Carpentry and ABC Electricity programs.

This course introduces the concepts of basic construction safety, basic construction math, hand tools, power tools, blueprint reading, and basic rigging. This course will also introduce students to some beginning construction skills. Students will learn electrical safety, codes, and techniques of residential wiring and basic construction techniques of residential, industrial, and commercial wood frame buildings.

INTRODUCTION TO CONSTRUCTION II

(Semester) Elective Grades 9 - 12

This course is the second level of Introduction to Construction. The class covers an in depth study of residential and commercial wiring systems. This course also covers the use and skills needed to operate hand tools and power tools, and techniques used in the construction of commercial, industrial and residential buildings.

ABC ELECTRICAL WIRING I (1 semester) Elective Grades 9 - 12

2nd Semester Only (Not offered every semester, check with instructor)

Prerequisite: Ability to demonstrate mastery of the competencies studied in Introduction to Construction (Pre-Apprenticeship)

The class covers basic residential wiring. Students will learn electrical safety, codes, and techniques of residential wiring. This course will count as on-the-job training for certification and is designed for the student who is interested in the construction industry as a career.

ABC ELECTRICAL WIRING II (1 semester) Elective Grades 10 - 12

(Not offered every semester, check with instructor)

Prerequisite: Ability to demonstrate mastery of the competencies studied in Introduction to Construction (Pre-Apprenticeship)

Second level of ABC Electricity apprenticeship program. The class covers an in depth study of residential and commercial wiring systems. This course will count as on-the-job training for certification and is designed for the student who is interested in the construction industry as a career.

ABC CARPENTRY I Early Bird Class (1st Semester Only) Elective Grades 9 - 12

Prerequisite: Ability to demonstrate mastery of the competencies studied in Introduction to Construction (Pre-Apprenticeship)

This class covers basic construction of residential, industrial, and commercial wood frame buildings. This course also covers hand tools, power tools, fasteners, and building techniques. This course will count as on-the-job training for certification and is designed for the student who is interested in the construction industry as a career.

ABC CARPENTRY II (2nd Semester Only) Elective Grades 9 - 12

Prerequisite: Ability to demonstrate mastery of the competencies studied in ABC Carpentry I (Pre-Apprenticeship)

This class covers basic construction of residential, industrial, and commercial wood frame buildings. This course also covers hand tools, power tools, fasteners, and building techniques. This course will count as on-the-job training for certification and is designed for the student who is interested in the construction industry as a career.

CAD I and II:

Students interested in taking a computer aided drafting introductory course need to sign up for Introduction to Engineering Design, listed above.

CAD III (1 semester) Elective Grades 10 - 12

Prerequisites: CAD I and II

This course expands to additional CAD programs and will include machine type drafting and blueprint lay-out of manufacturing parts. Extensive modeling and 3-D work is required. This course may not be offered in the 2012-2013 school year after the addition of Principles of Engineering.

CAD IV (1 semester) Elective Grades 10 - 12

Prerequisite: CAD III

Complete advanced working drawings for either architectural or machine type drafting as well as actual machine production of components. This course is designed to prepare the student for

entry-level skills. This course may not be offered in the 2012-2013 school year after the addition of Principles of Engineering.

CAD V (1 semester) Elective Grades 10 - 12

Prerequisite: CAD IV

Extensive 3D Modeling and Animation, group projects, project management, storyboards, and animated sequences are part of the class.

CAD VI (1 semester) Elective Grades 10 - 12

Prerequisite: CAD V

3D solid modeling, advanced machining with solid shape, animation computer hardware, software and troubleshooting.

SMALL ENGINE FUNDAMENTALS (1 semester) Elective Grades 9 – 12

The course will provide the student with knowledge of the basic fundamentals of the various types of engines. It will provide hands-on experiences with safety in a small engine workshop, engine construction, tools and techniques for small engine repair, 2-cycle engines, 4-cycle engines, fuel and emission control systems, carburetion, ignition systems, cooling systems, piston service and more. It will also provide the student with information to choose the correct engine for a particular job.

ADVANCED SMALL ENGINES (1 semester) Elective Grades 9 – 12

Prerequisite: To have successfully demonstrated the competencies in Small Engine Fundamentals. This class will include a detailed study and repair of small gasoline engines.

LANGUAGE ARTS

GENERAL READING

1 Semester

English credit

Grades 9-12

Prerequisites: Teacher permission

General Reading is a class that works on reading skills at the reading level of the individual student. Students are in this class by permission of the teacher only. The class focuses on reading comprehension strategies, vocabulary, re-teaching opportunities, developing an interest in reading. Students earn an English credit toward graduation.

STRATEGIC READING 1*

Semester English Elective Credit Grade 9

Prerequisites: ITED Scores

Strategic Reading is designed for students needing to further develop specific reading skills and strategies relevant to successful textbook reading, reading for pleasure, and/or reading on standardized tests. Students will study two whole-class books (one fiction, one non-fiction) to practice these skills and strategies. Small groups will study other texts together for additional practice. They will also progress through a series of independently read books, chosen from our classroom library, working to apply skills and strategies continually and in many different contexts. Success in the class depends on the student's classroom participation and a dedication to continual practice and improvement. **8th grade students scoring below the 45th percentile on the ITED reading comprehension test will be required to add this course.** Strategic Reading will fulfill an English requirement for graduation as well as meet the English requirements for all three regent schools.

****Approval by administration is required to register for this course.***

STRATEGIC READING 2*

Semester English Elective Credit Grades 10,11

Prerequisites: ITED Scores

Strategic Reading 2 is a continuation of Strategic Reading 1. It is designed for students needing to further develop specific reading skills and strategies relevant to successful textbook reading, reading for pleasure, and/or reading on standardized tests. Students will study two whole-class books (one fiction, one non-fiction) to practice these skills and strategies. Small groups will study other texts together for additional practice. They will also progress through a series of independently read books, chosen from our classroom library, working to apply skills and strategies continually and in many different contexts. Success in the class depends on the student's classroom participation and a dedication to continual practice and improvement. **9th and 10th grade students scoring below the 45th percentile on the ITED reading comprehension test will be required to add this course.** Strategic Reading will fulfill an English requirement for graduation as well as meet the English requirements for all three regent schools.

****Approval by administration is required to register for this course.***

STRATEGIC READING 3*

Semester English Elective Credit Grades 10,11

Prerequisites: ITED Scores

Strategic Reading 3 is a continuation of Strategic Reading 2. This elective English course is designed for students needing to further develop specific reading skills and strategies relevant to successful textbook reading, reading for pleasure, and/or reading on standardized tests. As in Strategic Reading 1, students will study whole-class novels, engage in small-group study, and read a series of independent books. The course differs from Strategic Reading 1 in the texts to be read, reading expectations, and the rigor of assessments to be used. 10th grade students scoring below the 50th percentile on the ITED reading comprehension test will be required to add this course. **9th and 10th grade students scoring below the 45th percentile on the ITED reading comprehension test will be required to add this course.** Strategic Reading will fulfill an English requirement for graduation as well as meet the English requirements for all three regent schools.

****Approval by administration is required to register for this course.***

APPLIED COMMUNICATIONS

(1 semester)

Elective

Grades 11, 12

Students will practice a variety of practical verbal communication skills and written communication forms. Verbal communication includes persuasive presentation, business meeting reports, debate, and interviews. Written communication forms include business letters, e-mails, research reports, persuasive appeals, and project proposals. Students will also engage in a series of group projects, all based on practical situations from the business world. A cumulative review of job-related portfolio documents will help students prepare to enter the workforce after graduation. Not recommended for college-bound students.

ENGLISH I

(1 year)

Required

Grade 9

English I is designed to broaden the students' knowledge of the English language and to increase their ability to share worthwhile ideas with others. Stress is placed upon writing, literature, reading comprehension, vocabulary, and effective verbal and nonverbal communication skills. Students are urged to use correctness of expression in both the spoken and the written word. The class is primarily divided into the two major areas of reading and writing. In the writing unit, the mastery of mechanics is integrated with the expression of one's well-supported opinions. In the reading unit, students will focus on the short story, the play, and the novel.

ENGLISH II

(1 year) Required Grade 10

Prerequisite: Successful completion of English I

English II is a year-long course designed to develop the students' writing, reading, thinking and literary analysis ability. The writing strand of the course involves styles of paragraph writing and essay composition with a goal of understanding the basic concepts. Within the literature strand of this course, students explore the short story, essay, novel, play, and poetry with a goal of understanding literary terms and using these to analyze the literature genre. The mastery of the mechanics of the language is integrated within the writing process.

Honors ENGLISH II

(1 year) Elective Grade 10

Prerequisite: Successful completion of English I

Honors English II is a year-long course designed to develop the students' writing, reading, thinking, and literary analysis ability. The writing strand of the course involves styles of paragraph writing and essay composition with a goal of understanding the basic concepts. The literature strand explores five different genre. Mastery of correctness in writing is integrated. This course differs from regular English II sections in that materials and expectations will encourage higher order thinking. Expectations for writing, reading and thinking will be higher. The selection of reading material and the pace will be more challenging. This section will be capped at 25 students. Selection will be based on standardized test scores and teacher recommendation.

AMERICAN LITERATURE

(1 semester) Elective Grades 11, 12

Prerequisite: Successful completion of Composition or teacher approval

Strong reading and writing skills recommended

Study begins with an exploration of the major themes of American literature and continues with an anthology of American writings arranged chronologically from the seventeenth century up to the Civil War. Throughout the course, study is made of American literature in five different genres: the short story, the essay, the novel, the play and the poem. The writer and his/her philosophy, the people and their lifestyle, and literary and artistic and historical periods are studied.

CONTEMPORARY LITERATURE

(1 semester) Elective Grades 11, 12

Prerequisite: Successful completion of Composition or teacher approval

Strong reading and writing skills recommended

This course explores the major themes of American literature from the 1860's to the present. It includes extensive reading in a variety of genres and writing in response to the reading. The historical context, the individual writers and their philosophies, and the literary/artistic periods are discussed.

READING FOR LIFE

(1 semester) Elective Grades 11, 12

Students will read a variety of fiction and nonfiction texts of their choice en route to reaching the 1000 page semester reading goal. All students will be engaged in reading strategies that, if used, will make them stronger, more efficient readers. An individual conference with the teacher or a written book report will follow the completion of each text. Weekly progress monitoring and use of daily reading time are factors in student grades. Most colleges do not recognize this course for satisfaction of admissions requirements.

AP ENGLISH LITERATURE AND COMPOSITION

(1 year) Elective Grade 12

Recommendation: Successful completion of Composition or teacher approval

AP English Literature and Composition offers the capable English student an opportunity to

study different genres of literature by various authors and to develop an understanding of morals, ideals, and values as they are preserved in a literary heritage. Literature will include contemporary selections as well as traditionally studied works and translations. All units will maintain a focus on the humanities and how they affect both writers and readers. Special attention will be paid to elements, including history, religion, philosophy, art, music, etc., that create a culture and world view. A study of Greek mythology introduces cultural development and provides an understanding for allusions in later literature. Chronologically, authors and writing through the Renaissance will be augmented with thematic literature from America, Europe, and Asia during both semesters of study. Another facet of the course incorporates college-level writing of analytical and research papers based on individual thought as well as careful research. MLA documentation will be used though comparisons will be made to APA style. Taking this course should prepare students to take the AP Literature and Composition test. This is a weighted class if the student takes the AP exam.

SPEECH

(1 semester) Required Grades 11

This one semester course is a study of the basic concepts of communication, from dealing with stage fright to writing and presenting a strong speech. Emphasis will be placed on the communication process, verbal and non-verbal communication, researching topics, outlining, writing speeches, and delivery techniques. During the course of the semester, students will be required to write and deliver a number of different speeches including informative and persuasive speeches.

PUBLICATIONS

(1 year) Elective Grade 12

Prerequisite: Successful completion of Composition or teacher approval

Publications is basically a lab class for yearbook production. Instruction in organization and production of a book, theme development, graphics and design, and copywriting will be approached from a journalistic view. Since this qualifies as an English credit, writing and editing will be emphasized, with all students developing and honing those skills. Students assume business responsibility for selling advertising space, selling and distributing books, and maintaining a balanced budget and account. The course emphasizes the use of computer technology in publishing. Two to four junior students will be admitted to Publications upon filing an application and being approved by the teacher. They will be expected to become editors. Second-year Publications students guide and direct the first-year students in all areas of development as well as accept leadership and managerial responsibilities. This course will not be accepted by Iowa State University, the University of Iowa, or the University of Northern Iowa as completed high school English credit. In addition, the NCAA will not accept it for participation at Division I or Division II schools. Other schools in Iowa (private colleges and community colleges) will accept it. Students should take additional English classes if they are affected. Students should also check with out-of-state schools if they are considering attendance there.

COMMUNICATIONS

(1 year) Elective **Grades 9-12**

Prerequisite: Demonstrate mastery of the competencies studied in English II

Communications composes the monthly issue of the school newspaper, Tiger Times, the school newsletter, Tiger Tribune, and other publications. Objectives of the course include interviewing, reporting, and writing news, feature, editorial, and sports articles. Students will discuss the responsibility of the press to accurately cover all newsworthy events related to the Adel DeSoto Minburn Community School District as well as examine press ethics and laws. Students will demonstrate copy, editing skills. Computer skills concerned with printing are also mastered. Students continuing the course in the second year will hone and perfect acquired writing skills from the previous year as well as assume managerial, business, and editorial positions. In addition, the advanced students will guide and direct the first-year students in all areas of development. This course will not be accepted by Iowa State University, the University of Iowa,

or the University of Northern Iowa as completed high school English credit. In addition, the NCAA will not accept it for participation at Division I or Division II schools. Other schools in Iowa (private colleges and community colleges) will accept it. Students should take additional English classes if they are affected. They should also check with out-of-state schools if they are considering attendance there.

CREATIVE WRITING

(1 semester) Elective Grades 11, 12

Prerequisite: **At least a 2.5 GPA** in all previous Language Arts classes

This course combines the study of different forms of creative writing. Students will have a variety of writing experiences in the areas of prose, poetry, drama, and analysis. It is designed for the student interested in exploring writing in both the traditional forms and in more modern forms, such as blogging. Students will get the opportunity to workshop their works with other Creative Writing students to help discover their own personal writing processes and styles.

COMPOSITION

(1 semester) Required Grades 11, 12

Prerequisite: Demonstrate mastery of the competencies studied in English II

The main objective of this course is to help students improve their writing styles--developing the skills needed to communicate effectively--through the medium of the essay. The goals of the course are to develop a thorough understanding of the basic elements of the essay and to develop the ability to write with clarity, economy, and grace. Strongest emphasis is placed upon developing the skills of a rational and logical process of thought, but grammar, usage and mechanics will also be stressed. Students may not opt out of the semester test in this course.

AP English Language Composition

(1 year) Elective Grades 12

Recommended: **At least a 2.5 GPA** in all prior English courses.

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. This is a weighted class if the student takes the AP exam.

MATHEMATICS

Students may not enroll for a lower level math course (Integrated Math, General Math, Basic Algebra, Basic Geometry, Consumer Math, unless authorized by the Counselor/administration, Instructor, or IEP. Students failing a course will re-enroll for that course to meet graduation requirements.

2012-2013 school year math courses:

- Math Lab
 - Algebra I
 - Geometry
 - Algebra II
- General Math
- Integrated II
- Integrated III
- Algebra I
- Geometry
- Algebra II
- Advanced Math/Pre-Calc
- AP (concurrent) Probability and Statistics
- AP Calculus

2013-2014 school year math courses:

- Math Lab
 - Algebra I
 - Geometry
 - Algebra II
- General Math
- Integrated III
- Basic Algebra
- Algebra I
- Geometry
- Algebra II
- Advance Math/Pre-Calc
- AP (concurrent) Probability and Statistics
- AP Calculus

2014-2015 school year math courses:

- Math Lab
 - Algebra I
 - Geometry
 - Algebra II
- General Math
- Basic Algebra
- Basic Geometry
- Consumer Math
- Algebra I
- Geometry
- Algebra II
- Advance Math/Pre-Calc
- AP (concurrent) Probability and Statistics
- AP Calculus

ALGEBRA I LAB (1 year) Elective Grades 9-12

Placement Criteria: Below 50% on ITBS or ITED Total math And/Or C or below in previous math course And/Or teacher recommendation

This course is a supplemental course to Algebra I designed to provide support needed for students to be successful in Algebra I. Students will receive additional instruction, review, application, and preview of the main topics of Algebra I. Algebra I Lab must be taken concurrently with Algebra I.

GEOMETRY LAB (1 year) Elective Grades 9-12

Placement Criteria: Below 50% on ITBS or ITED Total math And/Or C or below in previous math course And/Or teacher recommendation

This course is a supplemental course to Geometry designed to provide support needed for students to be successful in Geometry. Students will receive additional instruction, review, application, and preview of the main topics of Geometry. Geometry Lab must be taken concurrently with Geometry.

ALGEBRA II LAB

Placement Criteria: Below 50% on ITBS or ITED Total math And/Or C or below in previous math course And/Or teacher recommendation

This course is a supplemental course to Algebra II designed to provide support needed for students to be successful in Algebra II. Students will receive additional instruction, review, application, and preview of the main topics of Algebra II. Algebra II Lab must be taken concurrently with Algebra II.

GENERAL MATH

This course provides a review of basic math concepts that have been presented to students in previous years. This class focuses on establishing a firm understanding of topics to prepare students to advance through the remaining high school math courses. This class will cover topics such as Real Numbers, Equations, Inequalities, Graphing, Proportions, Exponents, and Probability. After this class students may take either Basic Algebra (to be implemented for 2013-2014) or Algebra I (possibly with an accompanying Algebra I Lab).

INTEGRATED MATH I

(1 year) Grade 9

This course is available by teacher recommendation only.

This course addresses critical math skills in an integrated design. The course provides a review of key math skills and concepts and then applies them to real-life situations. In Integrated Math I, the topics include statistics and probability (data analysis), number systems, number concepts (fractions, decimals, percents, integers), geometry (2-D and 3-D shapes), and algebra (patterns, tables, graphs, variables, expressions).

INTEGRATED MATH II

(dropped for the 2013-2014 year)

(1 year) Grade 10

This course is available by teacher recommendation only.

This course addresses critical math skills in an integrated design. The course provides a review of key math skills and concepts and then applies them to real-life situations. In Integrated Math II, the topics include statistics and probability (chance), number concepts (percents, signs, roots, primes, budgeting, spreadsheets), measurement (rate, ratio, proportion), geometry (triangles, polygons, circles, house design, rules and arguments), and algebra (equations, inequalities, graphing equations, patterns).

INTEGRATED MATH III (dropped for the 2014-2015 year)

(1 year) Grade 11

This course is available by teacher recommendation only.

This course addresses critical math skills in an integrated design. The course provides a review of key math skills and concepts and then applies them to real-life situations. In Integrated Math III, the topics include statistics and probability (statistical measures, scatter plots, correlations, probability, combinations, permutations), measurement (estimating, distance, graphs, ratios), geometry (graphs to solve problems, cubes, prisms, cylinders, solids with points, slope, right triangles, direct and inverse variation, linear functions), and algebra (growth sequences, expressions, solving equations, quadratic functions, exponential functions).

PRE-ALGEBRA

(1 year) Grades 9, 10

Prerequisite: Completion of 8th grade Math (C or above) and 20% - 50% math score on I.T.B.S. or I.T.E.D. math section (national %)

This course is designed for those students who wish to take a first-year algebra course but would have difficulty maintaining the pace of a standard one-year course. Students will review

and practice topics such as integers, fractional numbers, factors, and multiples. The emphasis in this course is on a gradual, thorough approach to first-year algebra.

ALGEBRA I

(1 year) Grades 9 - 12

Prerequisite: Completion of 8th grade math (**B or above**) for 9th graders, or completion of Intermediate Algebra I (**C or above**) for 10th-12th graders, and **50% or above math score** on I.T.B.S. or I.T.E.D. math section (national %)

Algebra I is designed to give students a solid foundation in algebra concepts and skills. The course covers laws of mathematics, operations with signed numbers, concepts of sets, solutions of equations and inequalities, factoring, functions, and real numbers. The course spends a great deal of time on various types of word problems. Algebra I is recommended for students who plan to attend college.

GEOMETRY

(1 year) Grades 9 - 12

Prerequisite: Algebra I (**C or above**), and **50% or above** math score on I.T.E.D. math section (national %)

Geometry is designed to help students develop their logical thinking and problem solving skills. It includes the study of points, lines, triangles, polygons, and circles in a plane. Students develop their inductive and deductive reasoning skills through formal and informal proofs. Surface area, volume, coordinates and trigonometry are also studied. Geometry is recommended for students who plan to attend college, and is a prerequisite for Algebra II.

ALGEBRA II

(1 year) Elective Grades 9 - 12

Prerequisite - Minimum grade of **C** in Algebra I and/or Geometry and a score of **50% or above** on the math section of I.T.E.D. (national %)

The concepts covered include a review and extension of factoring, exponents, polynomials, quadratic equations and inequalities, operations with radicals, an introduction to complex numbers, the analytical geometry of straight lines, circle, and other conic sections, arithmetic and geometric progressions, and an introduction to trigonometric functions and graphs. The graphic calculator (TI-84 plus) will be used in as many areas as possible. The student will need to know many formulas and how to use them. Algebra II is recommended for students who plan to attend college.

ADVANCED MATH/PRE-CALCULUS

(1 year) Elective Grades 10 - 12

Prerequisite Recommendation: Minimum grade of **C** in Algebra I and II, and Geometry, and a score of **50% or above** on the math section of I.T.E.D. (national %)

This course lays the ground-work for further study of mathematics at the college level. Pre-calculus concepts, Trigonometric concepts and discrete mathematics are covered. The student will obtain the skills necessary for working with functions (linear, quadratic, and polynomial), graphs of these functions, use of exponents and logarithms as well as the analytic geometry skills. The trigonometry concepts will include trig functions, equations, their application, using the trigonometry triangle, addition formulas, working with polar coordinates and complex numbers. The discrete math will focus on sequences and series, matrices, probability and statistics. All students need access to a scientific calculator. The student will learn how to use a graphic calculator (TI-84 plus) as it is used extensively in the course. These graphic calculators can be provided for the student to use in class.

AP CALCULUS

(1 year) Elective Grades 11,12

Recommended: Due to the rigorous nature of this course it is highly recommended that students have scored the following in previous math course: Advanced Math (**C or above**) or co-enrollment in Advanced Math while **maintaining a B and a score above 50% on the math section** of the I.T.E.D. (national %)

This is an introduction to college calculus and could be taken as an AP class (optional). Calculus makes extensive use of plane geometry and algebra. The first semester will be dedicated to functions, limits and derivatives. The second semester will be dedicated to integration and inverse functions. This is a weighted class if the student takes the AP exam.

AP PROBABILITY AND STATISTICS (Dual Enrollment) (1 year) Elective Grades 11, 12
Prerequisite: 1st semester students need to have a minimum grade of **C** in Algebra II to enroll. To enroll in second semester DMACC MAT 157, Statistics, students need to have successfully completed 1st semester Statistics with a C or higher.

This course provides a non-theoretical introduction to statistics. Probability provides a framework for dealing with uncertainty and for interpreting predictions based on uncertainty. Statistics is utilized for the collecting, representing, and processing of important data. Students will learn to apply statistical techniques to solve problems and represent results. Use of technology will enhance the learning in this course. This course offers both high school and DMACC college credit upon successful completion. DMACC college credit will be given for DMACC curriculum covered during 2nd semester; this course moves to the college level curriculum during 2nd semester.

SCIENCE

The graduating class of 2015 (Freshman), will be required to take Chemistry as part of their graduation plan. This is based on ADM's obligation to meet the Iowa Core Standards in Science. For students who have not successfully completed Algebra II with a C- or above, or are not concurrently taking Algebra II, there will be a Chemistry course offered for that select group of students. These students will be identified and registered for this course by the high school counselor and administration.

The 2013-2014 school year will bring a change from Physical Science to Earth and Space Science for all 9th grade students.

PHYSICAL SCIENCE

(1 year) Required Grade 9

Physical Science is a study of matter and energy. The approach of this course emphasizes everyday applications of physical laws. The course provides an adequate balance between basic physics and chemistry principles. Course content includes the following topics: properties of matter, force and motion, simple machines, elements and compounds, organic and solution chemistry, chemical reactions, light, and heat energy. Class work includes lectures, discussions, demonstrations, laboratory work, films, and worksheets.

BIOLOGY

(1 year) Required Grade 10

Science & Global Issues (SGI) focuses on the role of science in addressing the needs of modern society and the use of technology in advancing scientific knowledge. The five units of study are: Sustainability, Ecology, Cell Biology, Genetics, and Evolution. Each student will complete a comprehensive science notebook throughout the year.

ENVIRONMENTAL SCIENCE

(1 year) Elective Grades 11, 12

Recommended: Minimum of C- in Biology

Environmental Science studies the following topics: 1) The planet Earth and what makes up the Biosphere, 2) Ecological Interactions and Biomes, 3) The impact of people in the global ecosystem and how to manage this, 4) Energy resources and resources in the biosphere including the impact of pollution. Students are expected to work independently and with one another on various in class assignments. They are also required to research outside topics, which are scientific and environmentally important.

HUMAN PHYSIOLOGY I

(Semester 1 only) Elective Grades 11,12

Recommended: Minimum of C in Physical Science and Biology

Human Physiology I is an in-depth study of the human body with emphasis on the structure and function of the major organ systems. The course provides an adequate balance between the physical and chemical nature of the human body. Class work includes lectures, demonstrations, labs, films, discussions, assignments, and projects. Topics covered in Human Physiology I include: 1) Human body orientation, 2) Cells and Tissues, 3) DNA and Protein synthesis, 4) Basic chemistry of the human body, and 5) Skeletal system.

HUMAN PHYSIOLOGY II

(Semester 2 only) Elective Grades 11, 12

Recommended: Minimum of C in Physical Science and Biology

Human Physiology II is an in-depth study of the human body with emphasis on the structure and function of the major organ systems. The course provides an adequate balance between the physical and chemical nature of the human body. Class work includes lectures, demonstrations, labs, films, discussion, assignments, and projects. Topics covered in Human Physiology II include: 1) Skeletal muscular system, 2) Blood, 3) Cardiovascular system, 4) Respiratory system, and 5) Digestive system.

CHEMISTRY (required beginning with the class of 2015) (1 year) Elective Grades 10 - 12

Prerequisite: Algebra II with a C- or higher or concurrent enrollment in Algebra II

This is an applied mathematics course dealing with the structure and function of matter. The laws and relationships governing the properties of matter and chemical reactions are presented in lecture and supported by appropriate problems and laboratories. You must pass the first semester with a C- or higher to continue in the course. This course is highly recommended for college bound students.

AP CHEMISTRY

(1 year) Elective Grades 10-12

Recommendation: Due to the rigorous nature of this course, students should have taken Chemistry and Algebra II prior to being in AP Chemistry. Students who have not had these two courses will find it very difficult to be successful.

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. For some students, this course enables them to undertake, in their first year, second-year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite. For other students, the AP Chemistry course fulfills the laboratory science requirement and frees time for 25 other courses. AP Chemistry should meet the objectives of a good college general chemistry course. Students in such a course should attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course should contribute to the development of the student's abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. The college course in general chemistry differs qualitatively from the usual first secondary school course in chemistry with respect to the kind of textbook used,

the topics covered, the emphasis on chemical calculations and the mathematical formulation of principles, and the kind of laboratory work done by students. Quantitative differences appear in the number of topics treated, the time spent on the course by students, and the nature and the variety of experiments done in the laboratory. *Secondary schools that wish to offer an AP Chemistry course must be prepared to provide a laboratory experience equivalent to that of a typical college course. Due to time constraints during the school day, lab experiments will be performed after school or on weekend times agreed upon by the students and teacher.* This is a weighted class if the student takes the AP exam.

PHYSICS (Concurrent Enrollment: this course will possibly be considered concurrent enrollment depending on DMACC approval) (1 year) Elective Grades 10 - 12

Prerequisite: Geometry and Algebra II or concurrent enrollment in Algebra II or Advanced Math

Physics is a course of applied mathematics. The quantitative relationships between matter and energy are studied in terms of governing laws and problem-solving. Laboratories demonstrating the real-world relationship to these laws are an integral part of the course. This class is a fundamental science course for students preparing for college math, computers, science, engineering, architecture, pharmacy, and a number of other fields including medicine and physical therapy. You must pass the first semester with a C- or above to continue in the course. This course is highly recommended for college bound students.

SOCIAL STUDIES

GEOGRAPHY

(1 semester) Required Grade 9

In ninth grade geography students will examine a number of complex human issues from a geographic perspective. The regional focus of this class will be the Middle East. During the year students will study physical and human features of the Middle East such as climate, land and water forms, population, culture, languages, religions, economics, demographics, politics, and resources. They will need to acquire and interpret information from many different sources such as maps, charts, tables, diagrams, readings, and photographs in both traditional and electronic formats. Students will demonstrate their learning in a variety of assessments including projects, written assignments, tests, map quizzes and daily homework.

GENERAL WORLD HISTORY (1 year) Social Studies Credit Grade 10

Prerequisites: Teacher permission, recommendation of previous social studies teacher and/or special education teacher.

This course covers the same material as World History, with an emphasis on core concepts.

WORLD HISTORY

(1 year) Required Grade 10

This is a study of the growth of civilization from the beginning of history to the present day. The main emphasis is on developments since 1500 A.D. Pupils will study the successes and failures of nations and civilizations. This course will show the relationships of past civilizations and cultures to modern nations, institutions and cultures. A comparative study will be made of present-day economic and political systems.

AP WORLD HISTORY

(1 year) Elective Grade 10

Recommended: Due to the rigorous nature of this courses it is highly recommended that students have scored a 90% or higher on the ITED Social Studies assessment and an 85% or higher on the ITED Reading Comprehension assessment.

This is a comprehensive study of the growth of civilizations from the beginning of history to the present. This in depth study of the development of nations will challenge the top students. The

political, social, cultural, and religious events will be the focus for this exploration into World History. Students who successfully complete this course are encouraged to take the Advanced Placement test for college credit. This is a weighted class if the student takes the AP exam.

GENERAL AMERICAN HISTORY

(1 year) Social Studies Credit Grade 11

Prerequisites: Teacher permission, recommendation of previous social studies teacher and/or special education teacher.

This course covers the same material as American History, however it is covered in a project based method.

AMERICAN HISTORY

(1 year) Required Grade 11

This is a study of the founding and development of the United States. It begins with the start of the twentieth century and continues to the present day. The chief aim of the course is to help pupils understand current political, economic, and social problems and to appreciate the American association with western civilization. There is not a test out option for this course.

AP U.S. HISTORY

(1 year) Elective Grade 11

Recommended: Due to the rigorous nature of this course, it is highly recommended that a student score at least a B average in all previous social studies courses and have earned an 85% or higher on the ITED reading comprehension test. Students must earn a C- or higher first semester to continue to second semester.

Honors American History is a survey course beginning with the formation of our American government and proceeding through the Vietnam War. Students will acquire skills to assess historical materials, their relevance to a given problem, their reliability, and their importance, and to weigh the evidence and interpretations presented in historical scholarship. Students will have the option of completing the Advanced Placement exam for three college credits. AP American History fulfills the requirement for 11th grade American History. The honors course may also be taken as a social studies elective for those who have already completed American History. This is a weighted class if the student takes the AP exam.

AMERICAN GOVERNMENT

(1 semester) Required Grade 12

This is a study of the American government from the beginning to the present with a special emphasis on each department and its basic functions. The Constitution is studied along with laws and the legal system. Political party organization and development is included in the course.

AP U.S. GOVERNMENT & POLITICS

(1 semester) Elective Grade 12

Recommended: Due to the rigorous nature of this courses it is highly recommended that students have scored a 90% or higher on the ITED Social Studies assessment and an 85% or higher on the ITED Reading Comprehension assessment.

The AP Government & Politics: United States course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. While there is no single approach that an AP Government & Politics: United States course must follow, certain topics that this course includes are generally covered in college courses. This course fulfills the American Government requirement. This is a weighted class if the student takes the AP exam.

ECONOMICS

(1 semester) Required Grade 12

This course is designed as an introduction to the United States economic system. Areas such as supply and demand, banking, stocks and bonds, and comparative systems are studied. Emphasis is given to current issues in the United States and how economics applies to everyday life. An extensive consumer economics unit is covered to coordinate financial literacy core requirements.

PSYCHOLOGY

(1 semester) Elective Grades 11, 12

This course presents a general survey of basic psychological principles and concepts. The primary objective is to help students learn to deal more effectively with others and to understand various factors which motivate behavior. Some of the topics studied are: 1) personality, 2) mental health and mental illness, 3) intelligence, and 4) planning your career. Emphasis is placed on psychological terms which are frequently used in newspapers, magazines, books, etc.

AP PSYCHOLOGY

(1 semester) Elective Grades 11, 12

Recommended: Due to the rigorous nature of this course, it is highly recommended that a student score at least a B- in Psychology to be successful in AP Psychology.

The purpose of the Honors course in Psychology is to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with the major subfields within psychology. They also learn about the methods psychologists use in their science and practice. Upon completion of the course, the student will be encouraged to take the AP exam. Upon completing the exam with a high enough grade, the student will have qualified for college credit in psychology at a large number of colleges nationwide. The exam grade is outside the course and has no effect on the student's high school class grade. The student pays for the test and is reimbursed if a 3, 4, or 5 is received. This is a weighted class if the student takes the AP exam.

SOCIOLOGY

(1 semester) Elective Grades 11, 12

This course will study the interaction of groups and institutions in society. The class will open with a discussion of the theoretical aspects of sociology and then move into a discussion of concepts such as social stratification, collective behavior, elements of culture, social change and the impact of technology upon society. Current topics such as criminality, mental illness, deviance, the elderly, the media, and drug abuse will also be discussed. Classroom participation is crucial to the course.

MUSIC (INSTRUMENTAL AND VOCAL)

BAND

(1 year) Elective Grades 9 - 12

Band is offered as a credit course for those students who desire to continue the study of instrumental music. The student will participate in marching band, pep band, concert band and state contests. He/she will also travel with the band to special events. State solo and ensemble contest is optional, and jazz band is by audition only. In order to participate in any of the optional groups, the student must be enrolled in, and participate in, concert band. Daily attendance and participation in all concerts/contests is required.

INSTRUMENTAL METHODS

(1 semester) Elective Grades 10 - 12

Instrumental Methods is offered 2nd semester each year. Students must be in Band to sign up for this elective. Students will have beginner lessons and learn basic history on each concert band instrument. This could also be scheduled through independent study.

CHORUS

(1 year) Elective Grades 9 - 12

Rehearsal is held during the regular school day. A student must be a part of this class in order to be eligible for other vocal ensembles, which are offered. By membership in this mixed chorus, students are also eligible for participation in contests and festivals, which are sponsored and sanctioned by the Iowa High School Music Association. Students are expected to attend rehearsals, memorize all musical numbers to be performed, and must participate in all scheduled performances, except in cases of emergency. Students will also increase their knowledge of the fundamentals of music reading, musical styles, and advance in their skill of correct vocal technique for proper tone production. Students will receive credit for their participation in this course.

AP MUSIC THEORY

(1 year) Elective Grades 11, 12

Prerequisite: Must be a junior or senior.

Recommended: with some type of musical background. May be musical instrument or vocal.

AP Music Theory is an in-depth study and analysis of music composition techniques. These techniques are used to analyze and study important works as well as compose original music. It is suggested that a basic knowledge of notes and rhythms be learned before acceptance in this class. Ear training and sight-singing are essential learnings of AP Theory and will be practiced often through the duration of the course. This course is designed to teach the first year of theory at a college level. This is a weighted class if the student takes the AP exam.

PHYSICAL EDUCATION

PHYSICAL EDUCATION – Grade 9

(1 semester everyday)

Required Grade 9

(Students must provide their own towel if they want to shower)

Physical Education is required by the State of Iowa to graduate. Physical fitness is the major objective, along with introducing different lifetime activities, team sports, and recreational activities that can be done individually or in small groups for years to come. Students will be graded based on classroom participation and dressing out for class. Students are required at the beginning of the school year to fill out the "Healthy Kids ACT" form.

PHYSICAL EDUCATION – Grades 10, 11, and 12

(1 semester everyday)

Required Grades 10 – 12

(Students must provide their own towel if they want to shower)

Physical Education is required by the State of Iowa to graduate. Physical fitness is the major objective, and it is incorporated in the class throughout the year. Lifetime activities are introduced to students. Team sports and recreational activities are continued at a higher level. Physical Education meets twice a week for all students. CPR is taught to all grades every two years. Presidential Fitness testing will be tested during class time once each semester. Grading is Pass/Fail and is based on attendance, participation, and dressing out for class. Students are required at the beginning of the school year to fill out the "Healthy Kids ACT" form.

BIGGER FASTER STRONGER (BFS)

(1 or 2 semesters)

Elective Grades 10 -12

(Students must provide their own towel if they want to shower)

This course is a five-day one-semester PE alternative. The lifting part of the program consists of a 4- day workout. The core lifts will be the bench press, parallel squat, power clean and snatch. The other day will be devoted to flexibility, agility, ply metrics and speed training. Proper nutrition will be addressed during this course. Each student will be tested in a pre test and post test in the following: 10 yd dash, vertical jump, pro agility, bench press, parallel squat, power clean and snatch.

Grading (letter grade) will be based on attaining individual goals, attendance, work ethic and individual improvement. Workouts will be personalized based on information from pre-test. CPR is taught to all grades every two years. Presidential Fitness testing will be tested during class time once each semester. Students are required at the beginning of the school year to fill out the "Healthy Kids ACT" form.

OTHER COURSE OFFERINGS

AGRICULTURE

(Semesters vary) Electives Grades 10 - 12

ADM High School offers the opportunity to take agriculture classes, including FFA, through the Earlham Community School District. Any 10-12th grade student interested in taking agriculture classes must have counselor and principal permission prior to registration. Courses include: Advance Animal Science, Plant Science, Intro to Agriculture Science, Agriculture Power, Agriculture Business Management, Agriculture Leadership, Principles of Crop Science, Animal Science, Greenhouse Management.

DMACC Career Advantage courses offer Agriculture class in Adel, located at the County Care Facility. If students are interested in Agriculture classes that do not include FFA, this program is a career advancement opportunity.

BASIC LIVING PEER HELPER

(1 semester) Elective Grades 10 - 12

Instructor permission required

This class meets every day for one semester. The course is designed for students who have a desire to work with students who have special needs. Peers will work with special needs students on the following skills: filling out basic job applications, social skills, interviewing skills, finding information on the internet, making a budget, using credit cards, preparing meals, general banking information, home care, managing time, and reading maps. This course will also include weekly or bi-weekly trips to the grocery store followed by cooking instruction the following day in class. This is a graded course. Students will be expected to complete journals and papers to meet the course expectations.

DRIVER EDUCATION

Drivers Education will be offered through Drive Tech. Information on class times and cost can be picked up in the counseling office.

HEALTH I

1st Semester Only Elective Grades 9 - 12

Topics for this class include mental health and stress, food and nutrition, the digestive system, consumer health, family life, emotional and social health, and exercise and recreation.

HEALTH II

2nd Semester Only Elective Grades 9 - 12

Topics for this class include relationships, communication skills, reproduction/pregnancy and birth, substance abuse and nonuse, environmental health, and prevention and control of disease, including sexually transmitted diseases.

LEADERSHIP I and II

(Semester) Elective Grades 9-12

Leadership I and II are graded courses that meet daily. This course explores various leadership traits and techniques in a collaborative, project based setting. In addition to leadership skills, students will learn civic, financial, employability and technology literacy. Students enrolled in the

course should have a desire to be leaders in their community, have community service experience and enjoy working with others.

LEADERSHIP I is offered Spring semester for 9th and 10th grade students.

LEADERSHIP II is offered Fall semester for 11th and 12th grade students.

WORK EXPERIENCE

(1 semester) Elective Grades 11, 12

Prerequisite: Student must be a first-semester senior or second-semester junior

This one-semester course is designed to provide students with the practical knowledge and skills to succeed in the workplace. It includes career exploration, practice in basic skills, thinking skills, personal skills, resource skills, interpersonal skills, information skills, systems skills, and technology skills, and learning about various aspects of industry. Upon successfully completing the course with a 79% minimum average for the semester, and a 90% attendance record, students will be able to enroll in the Work Experience Practicum.

WORK EXPERIENCE PRACTICUM

(1 semester) Elective Grade 12

Prerequisite: Successful completion of Work Experience

This course provides students with on-the-job experience through job shadowing, internships, unpaid work, and/or paid work. Students will receive two elective credits during a semester, based on the number of hours worked per/week, **1.5 hours per day**, 5 days a week – Total of **7-8** hours per week.

INDEPENDENT STUDY

Independent study is a course designed for the student who has completed all courses in a curriculum area and desires to seek additional advanced level information in the same curriculum area OR for the student who has a FULL academic course load preventing the student from scheduling. Counselor and Administrative permission is required. Permission to enroll in independent study must be approved by a teacher and by the principal because the course becomes an additional load for the teacher. The teacher and the student will develop an outline for the course and clearly identify the expected outcomes. Student-teacher contact time is also clearly detailed to enable ample opportunity for the student to interact with the teacher as needed throughout the semester. This plan will be submitted to the counseling office **PRIOR** to starting the course.

PERFORMANCE TESTING FOR CLASSROOM CREDIT

Credit may be granted to students through performance testing for course work which is included in the school curriculum. The testing must be done by the end of the first week of the semester in question. This generally includes taking the semester test for the course and achieving a score of at least 78%. However, teachers may require the student to submit a portfolio of sample performances as part of the assessment for granting course credit.

Students are responsible for checking with teachers regarding specific course requirements for performance testing for classroom credit. Courses that offer an honors or AP level are not open to testing out unless the student is classified as a GATE student and the Personal Education Plan team agrees that this is the most appropriate option for the student. This information should be secured in time to complete the requirements by the time the credit is desired. It is recommended that students begin this process at least a semester prior to attempting to receive the credit. **Courses that offer an Honors Section will not be available for testing out, unless the student is an identified GATE student and testing out of a course allows for an upper level course to be taken that relates to the student's intended career path.**

AUDITING COURSES

Occasionally students may find it desirable to audit a course. This means that the student is enrolled in the course, but will receive no grade and no credit. Teachers for the course will establish expectations for the level of participation required of the student in order to remain enrolled under audit status. This may include completing all assignments and taking all tests.

***VOCATIONAL EDUCATION ARTICULATION AGREEMENTS**

The Adel DeSoto Minburn School District has developed articulation agreements with the Des Moines Area Community College (DMACC), the American Institute of Business (AIB) and Iowa Community Colleges in the area of vocational education. Articulation refers to the process of receiving DMACC, AIB, or community college credit for specific classes taken at ADM High School. Certain conditions must be met before credit can be awarded. Check with your vocational education instructor for more information.

ADM High School courses that could articulate with DMACC courses:

Accounting -----	Fundamentals of Accounting
(Mr. Severidt)	(ACCT 30)

EXTRA CURRICULAR ACTIVITIES

The following is a comprehensive list of non-athletic extra curricular activities that ADM has to offer students. We encourage all students to be involved with an extra curricular activity while in high school. Studies have shown that students involved in athletics or non-athletic extra curricular activities do better in school.

BIG BROTHER/SISTER

Junior and Senior students may sign up to be a big brother/sister to a younger student in our district. The volunteers spend time being a mentor, tutor, and a friend to the student as directed by the classroom teacher. Sign ups are at the beginning of each semester and the student will attend once per week during their study hall period.

THESPIANS (Local Chapter: Troupe 6603)

Students showing interest and dedication in any aspect of theatrical production can earn the right to join our local chapter of the International Thespian Society. "Thespis" the Greek god of theater, gives the society its name. Induction into the troupe requires 10 theater "points," earned by playing a role in a fall or spring production, or helping with any of the following aspects of production: set construction, backstage crew, lighting, makeup, sound, and costuming. Students must be involved in at least two productions to become eligible. Benefits of joining the group include eligibility for scholarships, leadership opportunities, trips to theater workshops, a subscription to Dramatics magazine, and the honor of being part of an international group dedicated to promoting theater.

FALL AND SPRING PLAYS

ADM's drama department produces two plays each year--one in November and one in April. Auditions for the Fall Show are held in August. Auditions for the Spring Show are held in January. Any student in grades 9-12 is welcome to audition, regardless of prior acting experience. Students may become involved in these productions by helping with set construction, makeup, lighting, sound, costuming, and backstage crews, without going through the audition process. Students interested in auditioning or participating in any production crew should watch for announcements about audition times and

informational meetings in August and January.

STUDENT COUNCIL

Student Council is a student run organization that is responsible for voicing the opinions of the student body, enhancing school spirit and organizing school functions. Student's peers elect individuals to the executive body each spring. Additional positions are available such as Advisory Representative.

SPEECH

Competitive speech is a chance to work on your communication skills, either as an individual or as a group, and compete against other high school students from around Iowa. There are a variety of categories, such as reviewing, choral reading, and storytelling, to choose from. There's something for everyone!

ACADEMIC DECATHLON

Academic Decathlon is a national competition for high school students. Teams consist of nine students, three from three different grade point categories. Each year a time period for literary, economics, music, art, and history study are chosen. A field of science is selected as well. Preparation consists of study practices, which the students lead. Students take seven written tests (one for each area), present a prepared and impromptu speech, participate in an interview, and write an essay during a day and a half of competition. Students find this interesting and challenging. ADM has sent two teams and several alternates to regional competition for the past few years and also qualified for state competition. It is open to all grades although sophomores and freshmen are more likely to be alternates.

MOCK TRIAL

Mock Trial is a highly challenging experience for students. A team of 7 to 10 students study a case provided by the Drake University Law College and then present it at competitions organized by the Iowa State Bar Association. The cases are civil and criminal on alternating years. Students take the parts of witnesses and lawyers, learn about objections and questioning, and master the general protocol of the courtroom. The case arrives in December, and the competition is usually the first week in March.

KNOWLEDGE BOWL

Knowledge Bowl is an informal competition. Each grade may field a team. Practice is done on computer and the first round is held in the home school on computer. A specified number of teams advance to regional's. The format there uses buzzers, and competition is against teams from other schools.

SADD

(Students Against Destructive Decisions) is dedicated to keeping students informed about the dangers of drug, alcohol, and cigarette use and to helping students make positive choices. The group has four general goals at ADM: 1) to provide a peer group for students who want to make healthy decisions, 2) to inform the general high school population about drugs, alcohol, and cigarette use, 3) to assist with programs designed for younger students (like DARE), 4) to provide alternative drug-free

VOCAL MUSIC ACTIVITIES

JAZZ CHOIR

Available to choir students only, by audition, in the spring semester for the following school year. 12 singing members, plus 3 instruments. This group

rehearses every Monday evening (unless conflicts abound). They perform on every choir concert and attend several Jazz Festivals in the spring semester, including the IHSMA Jazz Choir Festival.

POPS CONCERT SOLOIST

Available to choir students only, by audition, in January for a solo spot on the High School Pops Concert.

SMALL GROUP FESTIVAL

Available to choir students. Students sing solos or in a small group on a recital or comments, then for a judge at IHSMA Festival to receive a rating.

INSTRUMENTAL MUSIC ACTIVITIES

COLORGUARD

Colorguard is an extra curricular activity that meets regularly during Semester 1 of every year. This group auditions in the spring and performs with the marching band at home football games, and competitions. This group also has the option of performing winter guard, which occurs at the end of semester 1. Students, with the help of a coach, make up routines to music using flags and other props.

JAZZ BAND

Jazz Band is an extra curricular activity that meets throughout the year. A student must be in Band to play in the Jazz Band. This group meets before school and plays jazz music. They also travel to three competitions every year.

PEP BAND

Pep Band is an extra curricular activity that performs at home events. Teacher permission is required to be part of Pep Band. The type of music usually performed is rock and roll.

ENVIRONMENTAL CLUB:

This club meets to discuss issues in the environment that are of interest to the members. Students who may be interested in State and National competitions can possibly participate through their projects. Members also work on local public service tasks such as trail clean up, webworm eradication, and prairie restoration. Activities are guided by participant interest.

TECHNOLOGY STUDENTS

The Adel DeSoto Minburn High School Chapter of the Technology Student Association, known as TSA, is available to any high school student who wishes to explore technology. It is an extra-curricular activity that meets outside of the normal school day. There is a wide variety of events that involve numerous ways of incorporating today's technology. They range from computer graphics, video production and radio controlled vehicles to architectural drafting and projects built by the students. These events involve the members in competition at the local, state and national levels. Meetings are arranged around student's needs and are conducted by the members. Students may join TSA at any time during their high school enrollment.

PEER HELPERS

Peer Helpers serve as support to high school students. They help incoming freshmen, sophomores and new students during orientation, the week before school starts in the fall. Students have to apply and get faculty member signatures in order to be nominated.

MATH CLUB

The Math Club is an organization that promotes math awareness throughout the school and community while also providing community service. The club is open to all students who have an interest in math. "Mathletes" can choose their level of participation and can participate in activities such as tutoring at Adel Elementary, DeSoto Intermediate, and the Middle School, math Competitions (team or individual), and community service projects.

INTERNATIONAL CLUB

International Club is an organization to promote greater understanding of world cultures and languages and to help our ADM students become better global citizens. The organization, through its activities, will help find real life target language opportunities for students with world language interests. Activities may include travel opportunities, experiencing different cuisines, cultural activities and cinema. Students 9-12 may participate and do not need to be in a language class to participate.

CAREER TECHNICAL EDUCATION PLANS OF STUDY

Human Services: Family and Community Services

Career Pathway Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Pathway Plan of Study (based on the Family and Community Services Pathway of the Human Services Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. *This Plan of Study, used for learners at an educational institution, should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.

Appropriate high school graduation requirements as well as college entrance requirements.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses Other Electives Recommended Electives Learner Activities	*Career and Technical Courses and/or Degree Major Courses for Family and Community Services Pathway	SAMPLE Occupations Relating to This Pathway
SECONDARY	Interest Inventory Administered and Plan of Study Initiated for all Learners							
	9	English/ Language Arts I	Algebra I	Earth or Life or Physical Science	Geography	1 Credit of Computers 1 Credit of Physical Ed. Sociology	Family Living Semester 1 Child Development Semester 2	Occupations Requiring Less Than a Baccalaureate Degree ► Adult Day Care Coordinator ► Adult Day Care Worker ► Child Life Educator ► Community Housing Service Worker ► Community Service Director ► Coordinator of Volunteers ► Director, Religious Activities/ Education Programs ► Emergency and Relief Worker ► Geriatric Services Worker ► Human Services Worker ► Leisure Activities Coordinator ► Religious Leader ► Residential Advisor ► Social and Human Services Assistant ► Social Services Worker Occupations Requiring Baccalaureate Degree ► Career Counselor ► Child Life Specialist ► Dietician ► Employment Counselor ► Licensed Professional Counselor ► Marriage and Family Counselor ► Social Worker ► Vocational Rehabilitation Counselor
	10	English/ Language Arts II	Geometry	Biology	World History	Psychology Biology Chemistry Art Fundamentals	Foods Semester 1 Advanced Foods Semester 2	
	11	English/ Language Arts III	Algebra II	Chemistry	American History		Family and Consumer Science I Family and Consumer Science II	
	College Placement Assessments-Academic/Career Advisement Provided							
12	2 Credits of English Electives			Government and Economics				
Articulation/Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.								
POSTSECONDARY	Year 13	Fund. of Oral Communication, Any Core English	Applied Math		Human Relations in Business	Pre-employment Strategies	Courses in area of specialization	
	Year 14							
	Year 15	Continue courses in the area of specialization.						
	Year 16							

Business, Management and Administration: Business Financial Management and Accounting

Career Pathway Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Pathway Plan of Study (based on the Business Financial Management and Accounting Pathway of the Business, Management and Administration Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. *This Plan of Study, used for learners at an educational institution, should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.

Customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses Other Electives Recommended Electives Learner Activities	*Career and Technical Courses and/or Degree Major Courses for Business Financial Management and Accounting Pathway	SAMPLE Occupations Relating to This Pathway	
SECONDARY	Interest Inventory Administered and Plan of Study Initiated for all Learners								
	9	English/ Language Arts I	Algebra I	Physical Science	Geography	1 credit of Computers 1 credit of Physical Ed. Data Processing Applied Communications Probability and Statistics Foreign Language/Spanish	General Business Semester 1 Accounting	► Accountant ► Accounting Clerk ► Accounting Supervisor ► Accounts Receivable Clerk ► Adjuster ► Adjustment Clerk ► Assistant Treasurer ► Auditor ► Billing Clerk ► Billing Supervisor ► Bookkeeper ► Budget Analyst ► Budget Manager ► Cash Manager ► Certified Public Accountant ► Chief Financial Officer ► Collections Executive ► Controller ► Cost Accountant ► Finance Director ► Financial Accountant ► Investment Executive ► Merger and Acquisitions Manager ► Payroll Accounting Clerk ► Price Analyst ► Treasurer	
	10	English/ Language Arts II	Geometry	Biology	World History		Business Law Semester 2 General Business Semester 2		
	11	Composition and Speech	Algebra II	Chemistry	U.S. History		Auto Advanced Accounting Semester 1 Marketing		
	College Placement Assessments-Academic/Career Advisement Provided								
	12	2 additional English electives			Government and Ecomonmics				
Articulation/Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.									
POSTSECONDARY	Year 13	Comp I and II or Business Eng and Technical Writing				Intro to Computers Business Law	Courses in Area of Specialization		
	Year 14	Speech			Intro to Psych				
	Year 15	Continue courses in the area of specialization.							
	Year 16								

Architecture and Construction: Drafting and Design

Career Pathway Plan of Study for ► Learners ► Parents ► Counselors ► Teacher/Faculty

This Career Pathway Plan of Study (based on the Design/Pre-Construction Pathway of the Architecture and Construction Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. *This Plan of Study, used for learners at an educational institution, should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.

appropriate high school graduation requirements as well as college entrance requirements.									
EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses Other Electives Recommended Electives Learner Activities	*Career and Technical Courses and/or Degree Major Courses for Design/Pre- Construction Pathway	SAMPLE Occupations Relating to This Pathway	
Interest Inventory Administered and Plan of Study Initiated for all Learners									
SECONDARY	9	English/ Language Arts I	Algebra I	Physical Science	Geography	1 credit of Computers 1 credit of Physical Ed.	*CAD I Semester 1 *CAD I Semester 2 *CAD II Semester 1 *CAD II Semester 2 *CAD III *CAD IV *CAD V *CAD VI	► Architect ► Building Code Official ► Building Designer ► Civil Engineer ► Code Official ► Cost Estimator ► Drafter ► Electrical Engineer ► Electronic Engineer ► Environmental Designer ► Environmental Engineer ► Fire Prevention and Protection Engineer ► Industrial Engineer ► Interior Designer ► Landscape Architect ► Materials Engineer ► Mechanical Engineer ► Regional and Urban Planner/ Designer ► Safety Director ► Specification Writer ► Structural Engineer ► Surveying and Mapping Technician	
	10	English/ Language Arts II	Geometry	Biology	World History				
	11	English/ Composition and Speech	Algebra II	Chemistry	American History				
	College Placement Assessments-Academic/Career Advisement Provided								
	12	2 credits of English Electives	Advanced Math or Calculus	Physics	Government and Economics				
Articulation/Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.									
POSTSECONDARY	Year 13	Comp I	Applied Math I and II		Human and Work Relations		Courses in the area of specialization.		
	Year 14	Technical Writing							
	Year 15	Continue courses in the area of specialization.							
	Year 16								

2012-2013 ADM Course Catalog

Student Name: _____ **Grade:** _____

Advisor: _____

I have received a copy of the ADM Course Catalog and understand that these policies apply to all ADM High School Students.

Parent Name: _____ **Date:** _____

Parent Signature: _____