



COLLINS-MAXWELL MIDDLE/HIGH SCHOOL

9th - 12th Grade Course Selection Handbook 2020-2021

INSTRUCTIONS

- ✓ Study the entire guide with your parents.
- ✓ Students are encouraged to use the Naviance program in order to explore career interests and educational preparation.
- ✓ Include 2 alternate classes you would like to take. If too few students sign up for a particular course, it may be dropped. If you sign up for a course that is dropped, you will be notified and will be given the opportunity to take another course.
- ✓ All students are required to take **6 classes plus P.E. or Weight and Speed**. Unless excused by a medical certificate, P.E. is required for all students, each year. (Band and vocal are not counted as one of the six required classes).
- ✓ **** Students are responsible for seeing that they go to Academic Plan and register for the required courses each year. Students are also responsible for registering for required courses that they have failed and must retake.**

Table of Contents

I. INTRODUCTION	2
Adding/Dropping Classes	4
Retaking Classes	4
Definitions	5
Graduation Requirements (regular diploma)	6
Graduation Requirements (honors diploma)	7
Example grade by grade course selections	8
Earning College Credit Opportunities	9
II. COURSE OFFERINGS & DESCRIPTIONS - ON THE CM CAMPUS	
Overview of Courses	10
Fine Arts	12
Language Arts Courses	13
Mathematics Courses	16
Science Courses	21
Social Studies Courses	23
Family & Consumer Sciences Courses	27
Business & Technology Courses	29
Agriculture Courses	32
Music	35
World Language Courses	36
Health & PE Courses	38
Miscellaneous Courses	39
III. COURSE OFFERINGS & DESCRIPTIONS - OFF THE CM CAMPUS	
DMACC Career Academy	42
DMACC SCALE	45
IV. COURSE OFFERINGS & DESCRIPTIONS - ONLINE CLASSES	
DMACC Online Career Academy/Scale	46
DMACC Career Advantage	43
IOAPA Courses	50

Introduction

This coursebook is designed to help students and parents develop a carefully planned educational program for high school. This plan should be based on established graduation requirements and should reflect the interests and life goals of the student. Students are strongly encouraged to gather information from parents, teachers and the school counselor in their class course selections. Students should select courses that best fits them as a person, with careful thought and research, and their future in mind.

Students are encouraged to develop an education program that clearly prepares them to enter a post-secondary education program and prepares them to enter their chosen field of work. Parents, teachers, and counselors need to assist students in developing an educational plan that takes advantage of the comprehensive academic, career-technology, and fine and practical arts course offerings. Students who plan to go on to play athletics at the Division I or II level need to pay special attention to the NCAA Core Courses in order to be eligible for competition, practice, and financial aid.

Students are encouraged to maximize the productivity of their time during the school day. Students are required to enroll in a minimum of six (6) academic classes each semester. Students are generally allowed only one daily study hall (more if taking a DMACC online class). Schedule changes can be made prior to the start of the second week of the semester. After that time, changes are made only if the change is deemed necessary by one of the building principals, counselors, or teachers.

The mission of Collins-Maxwell School District is “to prepare responsible individuals for the future through academic and social experiences.” Today’s students face a much more complex and challenging world. As a school system, it is our responsibility to make sure that they are acquiring the skills they will need to be successful. By focusing our efforts on strong curriculum, instruction, and assessment, as well as making sure students are provided with a supportive environment, we can assure that they will be successful.

The following pages represent a brief summary of the courses and activities offered to high school students at Collins-Maxwell High School. **Collins-Maxwell HS offers an impressive 93 classes on campus, 45 online courses through DMACC and the University of Iowa Belin-Blank Center (AP) and another 12 at the DMACC Career Hunziker Center in Ames; for a total of 150 offerings for CMHS students.**

The program is arranged to provide for the individual needs of all students through required courses, elective courses, and school activities. Members of the faculty and administration are ready to help you with both your educational and personal concerns whenever necessary. If you have any questions, please notify our school counselor, Ms. Martin, at 515-387- 1115 ext. 1300.

Dr. Corey Lunn
CM MS/HS Principal

Non-Description Statement

It is the policy of the Collins-Maxwell School District not to illegally discriminate on the basis of race, color, national origin, gender, disability, religion, creed, age (for employment), marital status (for programs), sexual orientation, gender identity, and socioeconomic status (for programs) in its educational programs and its employment practices. There is a grievance procedure for processing complaints of discrimination that can be found in the student handbook.

Senior Capstone Requirement: All students must complete the Senior Capstone project requirement prior to graduation. Through the project, students are able to demonstrate accumulated skills in time-management, research, problem-solving, human interaction, organization, public-speaking and self-sufficiency. This is appropriate, as the culmination of your K-12 education, because these are the very skills and abilities which you will be expected to demonstrate in college, modern careers, and adult life.[Link to senior capstone requirements](#)

Job Shadow Requirements: All students starting the summer before the 9th grade year are required to complete a Job Shadow each year on non school days. Job-shadowing is a career-exploration activity for high-school students to help them determine a career path to follow. Shadowing also helps students see how their classroom learning can be applied in the real world. This may be completed over the summer, during a school break and/or during days when there is no school for teacher training. [Link to Job Shadow Approval Form](#)

Student Advancement: When meeting the established criteria, middle school students may be eligible to take and receive credit for high school courses. These credits may count for the diploma requirements and be calculated in the students overall high school GPA.

Home School Students: Home school students will be required to submit transcripts at the end of each semester. Home school grades will be transferred in as pass/fail. Credits accepted are at the discretion of the administration, counselor, and school board and minimum 16 credits need to be earned at Collins-Maxwell High School to be eligible for the Collins-Maxwell diploma. Student must be enrolled in at least 4 courses at Collins-Maxwell MS/HS in order to use school related devices.

Special Education Students: Beginning with the class of 2020, it is no longer permissible to award a regular high school diploma based on IEP goal attainment solely. To earn a regular school diploma a student with a disability must complete four years of English, three years of math, three years of social studies, and three years of science. See general classes under the 4 core areas.

Graduation for special education students will be in accordance with the prescribed course of study as described in their Individualized Education Program (IEP). Each student's IEP will include a statement of the projected date of graduation at least 18 months in advance of the projected date and the criteria to be used in determining whether graduation will occur. Prior to the special education student's graduation, the IEP team will determine whether the graduation criteria have been met (board policy 505.6).

Graduation: Students classified as a senior may plan on being eligible for graduation. Seniors who have developed a plan and are accepted and approved by the Collins-Maxwell High School administration for fulfilling Collins-Maxwell High School graduation requirements in the summer following their senior year may participate in commencement ceremonies.

Any student who has met the requirements for graduation and who follows the rules set by the administration for the ceremony will be allowed to participate in commencement ceremonies. If, for any reason, a student fails to participate in commencement ceremonies, the student shall still receive his or her final progress report and diploma for completion of graduation requirements.

Early Graduation: Generally, students will be required to complete the necessary coursework and graduate from high school at the end of grade 12. Students may graduate prior to this time if they meet the minimum graduation requirements as stated in board policy and have the approval of the School Board and a recommendation by the high school principal. Any student requesting/needing early graduation, must submit a letter to the high school principal one year prior to the anticipated graduation date.

Upon graduation, a student will no longer be considered a student and will become an alumnus of the school district. The student who graduates early may participate in Commencement exercises.

Adding/Dropping Classes

Students should select courses carefully with the assistance of their families, teachers, and the School Counselor. Requests for course changes should be the exception. We will attempt to construct a schedule that will let students take the courses they request.

Acceptable reasons for changing Course Requests include:

- Students that are wanting to request a schedule change must change the course in My Academic Plan on Infinite Campus. Then please schedule an appointment with the HS/MS School C.
- The student would like to move from one level of course to another. For example, move from regular World History to AP World History. This move must be approved by the parent, teacher and counselor.
- Special Education/At-Risk/ELL/Special Programming placement changes. The course request change must be related to the student's need for a course based upon placement.
- Failure to meet a course prerequisite.
- Seniors who must enroll in a course to meet graduation requirements or college entrance requirements. Students will need to provide documentation for the change to be considered for approval.
- Students may add or drop classes for the reasons stated above in the first 5 school days of the semester. Drops after 5 days may result in a grade of "F" and are at the discretion of the counselor and principal.

*** Course selections by students are used for staffing, budgeting, and other school decisions. Therefore, decisions in regard to course selections will be held firm.**

DMACC classes will be allowed to drop without an F up until the date determined by DMACC. Only AP World History, AP US History, and blended classes may transfer to a regular level course without penalty-as long as the student transfers their current grade with them at that time.

Retaking Classes

A required course for graduation must be made up if failed by a student. To repeat a class, the following rules and procedures will be in effect:

- The repeated class must be taken within the district.
- In some cases, the class can be retaken using a credit recovery (APEX) online program.
- Credit will only be awarded once for a class. Students cannot gain additional credit by repeating a class.
- The grade earned in the repeated class will be used to calculate the student's cumulative GPA.
- The original course and grade will show on the transcript, but will not be used in any cumulative GPA calculations (the grade earned in the retake course will be used to calculate GPA)
- Students can not repeat a course that has been used as a prerequisite for the subsequent course.
- Acceptance into a class is subject to availability of seats in the class.
- **Requests that don't meet the above guidelines are subject to administrative approval.**

Definition of Terms

Credit: The numerical designation assigned for passing one semester of a course. Most academic subjects receive one credit per semester. Physical Education and any class not meeting on a daily basis for the normal amount of time will receive less than one credit per semester.

Elective: An elective subject or course is one chosen from course offerings but not required for graduation. These may be in advanced study in a required subject area or exploratory courses in a variety of interest areas.

Prerequisite: The requirement which must be met by establishing a successful record and a passing grade for a particular course prior to another course being taken, e.g. Spanish I is a prerequisite for Spanish II. Some prerequisites may be waived at the counselor's discretion.

Required Course: Any course necessary to meet specific requirements set for graduation by the State of Iowa and the Collins-Maxwell School Board.

APEX: APEX is an online learning environment that is designed to best match the curriculum taught in the classroom. Students are given the opportunity to take an APEX course after consultation with the course instructor, counselor, and principal and if they meet any of the following circumstances: credit recovery, conflicts in master schedule, acceleration or if the need arises for a course to be taught at a lower grade level. Students taking APEX courses work independently in the media center and at home to complete their course and gain high school credit. APEX courses are monitored by the teacher of record and parents may request to receive weekly progress reports via email.

Extended Learning Program: ELP class is available to students identified for the ELP program. The program is designed to serve the needs of students with academic strengths significantly higher than the regular classroom usually addresses. The identification procedure includes multiple criteria: student application, parent feedback, teacher recommendations, standardized test scores, an Informal interview with ELP teacher, and other factors as they become available. Identification is based upon evidence of very high performance, or potential for performance, in creative thinking and/or critical thinking overall, or in a specific subject area. Student motivation and initiative figure significantly into the identification procedure, so interested students should meet with the building ELP teacher, for more information if needed. The student application form and parent feedback form are available on the district website. The CM Schools ELP Coordinator is Mr. Shannon Haus.

GRADUATION REQUIREMENTS (Regular Diploma)

Department	Grade Level	Credit
English	9th	2
	10th	2
	11th	2
	12th	2
	TOTAL: 8 credits	
Health	9th	1
	TOTAL: 1 credit	
Mathematics	9th	2
	10th	2
	11th	2
	TOTAL: 6 credits	
Science	9th	2
	10th	2
	11th	2
	TOTAL: 6 credits	
Social Studies	9th	2
	10th/11th	2
	12th	1
	12th	1
	TOTAL: 6 Credits	
Business	9-12th	1
	TOTAL: 1 Credit	
Physical Education	9-12th	Need 4 years of Physical Education
	12th grade	Required for Graduation
	Required Credits	32 those listed above
	Elective Credits	14 Credits
	TOTAL CREDITS	46 Credits

HONORS GRADUATION REQUIREMENTS

Department	Grade Level	Credit
English	9th	2
	10th	2
	11th	2
	12th	2
	TOTAL: 8 credits	
Health	9th	1
	TOTAL: 1 credit	
Mathematics	9th	2
	10th	2
	11th	2
	12th	2
	TOTAL: 8 credits	
Science	9th	2
	10th	2
	11th	2
	12th	2
	TOTAL: 8 credits	
Social Studies	9th	2
	10th/11th	2
	12th	1
	12th	1
	TOTAL: 8 Credits	
Business	9-12th	1
	TOTAL: 1 Credit	
Physical Education	9-12th	Need 4 years of Physical Education
	12th grade	Required for Graduation
	Required Credits	42 those listed above
	Elective Credits	8 Credits
	TOTAL CREDITS	54 Credits

EXAMPLE OF GRADE BY GRADE COURSE SELECTIONS (Regular Diploma)

*Students that are in FFA Must take 1 semester of an Ag Class.

9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
ENGLISH 9	ENGLISH 10	ENGLISH 11	COLLEGE PREP or APPLIED COMMUNICATION/DMACC
PHYSICAL SCIENCE	BIOLOGY	SCIENCE CHOICE Chemistry Anatomy & Physiology (Offered Even Years) Physics (offered Odd Years)	ELECTIVES
Algebra I Integrated Math I Geometry	Geometry Integrated Math II Algebra II	Math Elective Geometry Foundations of Algebraic Thinking Algebra II Pre-Cal and Trig DMACC Applied I and II	Math Elective Geometry Foundations of Algebraic Thinking Algebra II Pre-Cal and Trig DMACC Applied I and II
WORLD HISTORY	American History	Economics or American Government	Economics or American Government
PE WEIGHT AND SPEED	PE WEIGHT AND SPEED	PE WEIGHT AND SPEED	PE WEIGHT AND SPEED
HEALTH Google Applications	2 ELECTIVE	2 ELECTIVES	2 ELECTIVE
2 ELECTIVES	2 ELECTIVES	2 ELECTIVES	2 ELECTIVES
2 ELECTIVES	2 ELECTIVES	2 ELECTIVE	2 ELECTIVE
TOTAL CREDITS NEEDED 12.50	TOTAL CREDITS NEEDED 12.50	TOTAL CREDITS NEEDED 12.50	TOTAL CREDITS NEEDED 8.50

*Students are required to enroll in a minimum of six (6) academic classes each semester. Students are generally allowed only one daily study hall.

EARNING COLLEGE CREDIT

Senior Year Plus- Definitions and Policies

The intent of the Senior Plus statute, as developed by the Iowa Department of Education, is to ensure that all students have increased access to courses that have the potential to generate college credit while in high school. There are various ways students can earn college credit while a full time Collins-Maxwell student. They include Post Secondary Enrollment Options (PSEO), Concurrent Enrollment, DMACC Career Academy, DMACC SCALE and Online Career Academy.

Criteria	PSEO	Concurrent Enrollment	DMACC Career Academy	DMACC Online Career Academy	U of Iowa Belin-Blank Center Online AP Courses
Type of Instruction	Face to Face or online	Face to Face taught at Collins-Maxwell High School	DMACC Location-Ames or Ankeny	Online	Online
Student Eligibility-Grade Level	Grades 11-12, or 9-12 Talented and Gifted	Grades 9-12, plus meet any DMACC entrance requirement	Grades 9-12, plus meet any DMACC entrance requirements	Grades 9-12, plus meet any DMACC entrance requirements	Grades 11-12, plus meet any prerequisites
Student Eligibility-Academic Performance	None	For Arts and Science course, recommend GPA of 3.5 or higher, ACT of 21 or higher, or teacher/counselor recommendation	In good academic standing, on track to graduate and good attendance	For Arts and Science course, recommend GPA of 3.5 or higher, ACT of 21 or higher, or teacher/counselor recommendation	Recommend GPA of 3.5 or higher, ACT of 21 or higher, or teacher/counselor recommendation
Fees/Transportation	Student can be assessed district cost (up to \$250) if course is failed or not completed. Student is responsible for their own transportation	No cost to student	No cost to student, student is responsible for their own transportation except for building trades (4th CTE course offering)	No cost to student	Student can be assessed district cost (up to \$350) if course is failed or not completed
Grades	Assigned at the end of term, no progress reports provided	Assigned at end of the term, progress reports per high school policy and procedure	Assigned at end of the term, progress reports provided for concerns	Assigned at end of the term, progress reports provided for concerns	Assigned at end of the term, no progress reports provided

AP (Advanced Placement) Courses

College Board Advanced Placement (AP) courses are college level courses and exams. The student may earn college credit, placement or both by qualifying AP exam grades. Students seeking credit through their College program, grant course credit and placement.

Concurrent Enrollment Courses

Collins-Maxwell High School collaborates with Des Moines Area Community College (DMACC) to provide students the opportunity to earn college credit for several CM High School classes. College credit can only be approved when courses are articulated and instructors meet DMACC certification standards. Grades for these courses become part of the permanent college transcript for the student. Current courses approved for concurrent enrollment are AP Calculus, AP Statistics, Introduction to Engineering, Principles of Engineering, Civil Engineering & Architecture, Computer Integrated Manufacturing, Digital Electronics, ~~AP~~ Construction Tech, Welding and School to Work. **DMACC requires students taking AP Calculus or AP Statistics to pass the ALEKS test.** Please consult with the counselors for updates and details.-DMACC Spanish course

Online Courses

Students at CM High School may take online courses under certain circumstances. Online course requests will be determined on a case-by-case basis, but cannot replace courses currently offered on campus. Typically, scheduling issues drive the necessity for taking a course online. While there are numerous online institutions, Collins-Maxwell High School currently only allows courses from Iowa Learning Online for credit towards graduation. Online courses must be approved by a school counselor and the building principal (or his/her designee).

Career Advantage Programs (DMACC)

DMACC offers a number of career courses on their campuses that allow senior Collins-Maxwell High School students to earn college credit. Each program requires students to be absent 3 periods per day from Collins-Maxwell High School. Program brochures are available in the Counseling Office. A full listing of classes is found at <https://dmacc.edu/careeradvantage/Pages/cadmacclasses.aspx>.

Students participating in the Career Advantage Program at DMACC are expected to be in good standing at CMHS. This includes but is not limited to attendance for both CMHS and DMACC classes and grades. Students who are credit deficient and/or fail to maintain a C- or better in their Career Advantage courses will not be allowed to continue at DMACC 2nd semester.

Post Secondary Enrollment Options (PSEO)

THE FOLLOWING PROVISIONS WILL BE IN EFFECT ONLY AS PROVIDED BY THE IOWA LEGISLATURE. Junior and Senior students are eligible to enroll for high school/college credit under the Post-Secondary Enrollment Act. In addition, ninth or tenth grade students who are identified as a gifted and talented student according to the school district's criteria and procedures may now participate under this. Credit earned under this Act will count for both high school and college credit. Students may enroll at Iowa Regents universities, Iowa community colleges or Iowa private colleges. The courses that students select must not be offered at Collins-Maxwell High School. The cost for taking these courses will be paid for by the Collins-Maxwell Community Schools. However, a student enrolling in a course that drops or fails the class will be responsible for reimbursing the district for the cost of the class.

High school credit earned will be based on how the class/instruction is delivered. If taken as an online course, one (1) credit is awarded. If taken on the DMACC campus then two (2) credits are awarded. These credits will count towards graduation as though they were taken in the high school.

Students enrolling under this process must provide their own transportation. It is also the responsibility of each student to plan a schedule that will work. However, counseling services are available to students both in the high school and through the post-secondary institution. Students and parents are encouraged to get a more detailed description of this Act in the Counseling Office prior to enrolling in courses. Students must contact the Post-Secondary Enrollment Option Coordinator at Collins-Maxwell High School to secure forms and to enroll. The coordinator is located in the Counseling Office. Registration and enrollment depends on notification and regulation provided by each post-secondary institution.

It is the intent of Collins-Maxwell High School to help students take courses at postsecondary institutions if they are eligible, but post-secondary institutions may not all agree to participate in the program. Some colleges have minimum ACT requirements to participate. Please contact a school counselor for assistance in enrolling.

Financial Aid Satisfactory Academic Progress Policy

Grades in dual enrollment courses can affect eligibility for financial aid in college. Students must meet the standard requirements below to be eligible.

Standard Requirements:

1. Successfully complete 67% of attempted credit hours. This will be measured on a cumulative basis. For example, if a student attempts a total of 12 credit hours the first academic year, the student must satisfactorily complete 8 credit hours.
2. Minimum Cumulative Grade Point Average (GPA) of a 2.0 must be met.
3. If the GPA of completion rate is not met, the student will be on financial probation.
4. Withdrawing from a course: (primary responsibility for the process rests on the student)
 - a. "W" is placed on a student's transcript
 - b. "W" grades count against a student's completion rate
 - c. A student could have a GPA of 2.0 or higher and still be placed on academic warning if they have withdrawn or received "I" grades and thus have a completion rate below 67%.
 - d. "W" does NOT count if a student drops the course within the first two weeks.

FINE ARTS

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Art 1	X	X	X	X	X		1	no
Art 2	X	X	X	X	X		1	yes
Art 3			X	X	X		1	yes

Art 1

Grade: 9-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall/Spring

Required: No

Course Description: Art 1 is a course that introduces students to the language of the visual arts through a multimedia experience. This studio class will introduce students to media and production skills that they will utilize further in upper level art courses. Students will gain an understanding of the creative process through: visual problem solving, brainstorming, editing, re-working and reflection. Students will learn and apply the elements and principles of design to produce creative art projects that reflect their understanding of these concepts. As students are guided in their art experience, they are expected to be responsible and self reliant, respectful to others, open to guidance and able to use and care for any materials or tools that we use. A diverse range of art media can be studied, including (but not limited to): pencil, ink, chalk, oil pastel, acrylic, watercolor, oil painting, ceramics – hand built and wheel thrown, digital photography, sculpture, stained/fused glass, printmaking, screen printing, and various arts and crafts.

Art 2

Grade: 9-12

Prerequisite: Art 1

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall/Spring

Required: No

Course Description: Art 2 is a course that allows students to further explore the visual arts through multimedia experiences. This studio class will build upon the media and production skills that they initially studied in Art 1. Students will develop a deeper understanding of the creative process through: visual problem solving, brainstorming, editing, re-working and reflection. Students will apply compositional concepts and the elements and principles of design to produce creative art projects that reflect their knowledge, experience and personal preference. As students are guided in their art experience, they are expected to be responsible and self reliant, respectful to others, open to guidance and constructive criticism, and able to use and care for any materials or tools that they use. A diverse range of art media can be studied, including (but not limited to): pencil, ink, chalk, oil pastel, acrylic, watercolor, oil painting, ceramics – hand built and wheel thrown, digital photography, sculpture, stained/fused glass, printmaking, screen printing, and various arts and crafts.

Art 3

Grade: 10-12

Prerequisite: Art 2

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall/Spring

Required: No

Course Description: Art 3 is an advanced level course that allow students to dig even deeper into the visual arts. This studio class will build upon the skills that they initially learned in Art 1 and 2. Students will use their skills in visual problem solving and knowledge of the elements and principles of design to produce creative art projects that reflect their understanding of these concepts. As students are guided in their art experience, they are expected to be responsible and self reliant, respectful to others, open to guidance and able to use and care for any materials or tools that they use. A diverse range of art media can be studied, including (but not limited to): pencil, ink, chalk, oil pastel, acrylic, watercolor, oil painting, ceramics – hand built and wheel thrown, digital photography, sculpture, stained/fused glass, printmaking, screen printing, and various arts and crafts.

LANGUAGE ARTS

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requirement?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
English 9	x					x	2	no
English 10		x				x	2	yes
English 11			x			x	2	yes
Applied Communications				x	x		1	yes
College Prep				x		x	2	yes
DMACC Communication Skills (COM703)				x	x		1	yes
Journalism	x	x	x	x	x		1	no
Contemporary Literature		x	x	x	x		1	yes
Creative Writing		x	x	x	x		1	yes
General English	x	x	x	x	x		2	yes

* Students must take either Applied Communications or College Prep in order to complete the portfolio requirement of graduation.

English 9

Grade: 9

Prerequisite: None

NCAA Clearinghouse: Approved

Course Description: Throughout this course, students will read and analyze a broad and challenging range of both fiction and nonfiction prose while deepening their awareness of the choices that authors make to communicate to their readers. By closely reading and frequently writing, students will develop their ability to work with language and text with a greater awareness of purpose and strategy, while strengthening their own composing abilities. For that purpose, students will be engaged in two units. Finally, students will further examine at least one novel as a class, *To Kill a Mockingbird* by Harper Lee. Students will be given the opportunity to shape and develop their composition within the following written forms: narrative, expository, analytical, and argumentative.

Credit: 2

Semester: Year

Required: Yes

English 10

Grade: 10

Prerequisite: English 9

NCAA Clearinghouse: Approved

Course Description: This course will be focusing on two thematic units: "Ourselves and Others" and "Absolute Power" that will dive into 10th grade reading, speaking, and writing standards as well college preparatory instruction in literature and composition. The literature included expands into various short stories, documents, newspapers, drama, and biographies as well as the study of two novels, which are selected by the students. The course also includes editing, vocabulary, and grammar skill development.

Credit: 2

Semester: Year

Required: Yes

English 11

Grade: 11

Prerequisite: English 9 and English 10

NCAA Clearinghouse: Approved

Course Description: This course provides a chronological approach to American literature with an emphasis on composition. Works read include historical non-fiction, short stories, poetry, and the novels. Additional coursework includes vocabulary, writing skills, grammar, editing, and speech. Students also continue to work toward completion of their portfolios/capstone project.

Credit: 2

Semester: Year

Required: Yes or College Bound Eng 11

Applied Communication

Grade: 12

Prerequisite: English 11

NCAA Clearinghouse: Not Approved

Course Description: This course will be focusing on two thematic units that will dive into 12th grade reading, speaking, and writing standards while gearing up for the DMACC 703 Course taught in the spring. The text included expands into contemporary writings that include essays, videos, articles, and short-stories. The course also includes editing, vocabulary, and grammar skill development. Students will work on the fundamentals of communication seen within writing and speaking that will be useful in life writing.

Credit: 1

Semester: Fall

Required: Yes or College Prep

DMACC Communication Skills (COM703)

Grade: 12

Prerequisite: Applied Communication

College: DMACC

Credit: 1

Semester: Spring

Required: No

Course Description: Reading, writing, speaking, and listening are studied as methods of exploring and evaluating technological advances in trade and industry. Adapting communication for different audiences, evaluating industry-related literature, and basic business writing are emphasized. Upon completion students will receive 3 college credits.

College Prep English

Grade: 12

Prerequisite: AP Language and Composition

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: Yes or Applied Communications

Course Description: This course focuses on college preparatory instruction in literature and composition. Typically, the Houghton Mifflin Textbook: Collection 12 will be used in guiding learning targets. The literature includes a study of drama as well as contemporary study of the novels *Catcher in the Rye* and *The Namesake*. Writing activities include, but are not limited to, a position paper, a persuasive presentation, literary analysis, personal narrative, and a rhetorical analysis paper using MLA documentation style. The course also includes editing, vocabulary, and grammar skill development.

Contemporary Literature

Grade: 10-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall or Spring

Required: No

Course Description: This class provides students an authentic reading experience that introduces and is focused on instilling habits and inclinations that life-long readers would have. Throughout this course, students will traverse an assortment of literature that crosses genres and published in recency; texts that are grounded in our present culture and/or culture represented by those that live or have lived in the last few decades. While reading, students will be involved in class discussions while also responding to the text in a multi-modal blog.

Journalism

Grade: 9-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Spring

Required: No

Course Description: Students will focus on learning the basics of planning, designing, and publishing a school newspaper. They will learn AP style format, how to write captions and headlines, basics of layout, design, photography, interviewing skills, and editing. Students will learn to meet multiple deadlines. Selling advertisements will be required in order to meet our semester-ending project of having a page published in the Tri-County Times. Prerequisites are: above average knowledge of word processing programs (Word, Google Docs), able to work with a team, exhibit excellent communication skills.

Creative Writing

Grade: 10-12

Prerequisite: None

NCAA Clearinghouse:

Credit: 1

Semester: 1

Required: No

Course Description:

This class will introduce students to the process and techniques of creative writing. Students will produce a number of styles of writing, including the genres of fiction, poetry, nonfiction (features, reviews, opinions). Mentor texts will expose students to various writing styles and provide examples of the successes and strategies of other writers.

General English

Grade:9-12

Prerequisite: Teacher Recommendation

NCAA Clearinghouse:

Course Description:

The purpose of this course is to meet the needs of the students who have an individualized education plan that require the standards be taught in a specialized designed setting. This course can be taken up to 4 years depending on the need of the student.

Credit: 2

Semester: Year

Required: No

MATHEMATICS (If students received high school math credit while in middle school, they must still take three years of math in grades 9-12)

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requirement?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Algebra 1	x (8)					x	2	no
Algebra 1	x					x	2	no
Geometry	x	x	x			x	2	yes
Integrated Math I (year 1)	x					x	2	yes
Integrated Math II (Year 2)		x				x	2	yes
Foundations of Algebraic Thinking			x	x		x	2	yes
Algebra 2		x	x	x		x	2	yes
Pre-Calculus/Trig			x	x		x	2	yes
DMACC Applied Math I (MAT772)			x	x	x		1	yes
DMACC Applied Math II (MAT773)			x	x	x		1	yes
AP Calculus AB			x	x		x	2	yes
AP Statistics			x	x		x	2	yes
General Math	x	x	x	x		x	2	yes

Algebra I:**Grade:** 8*-9**Credit:** 2

*Students taking Algebra I in 8th grade must score an 80% or higher to count towards HS credit and will be moved to Pre-Algebra at the end of the first semester if they are not earning an 80% or higher.

Prerequisite: None**Semester:** Year**NCAA Clearinghouse:** Approved**Required:** Yes

Course Description: This is an introduction to higher mathematics and provides the language for all of mathematics above arithmetic. Students will further their understanding of linear functions to include real world applications. Students will also learn about exponential and quadratic functions through graphing tables and situations. This course provides excellent training in logical thinking and practical applications. Students will also utilize IXL math program for enrichment and the reteaching of topics.

Integrated Math 1: (Year)**Grade:** 9**Credit:** 2**Prerequisite:** None (student should have taken Pre-Algebra/8th Grade Math) **Semester:** Year**NCAA Clearinghouse:** Approved**Required:**

Course Description: This is the first year of a two-year series where students are able to receive the same content and Iowa Core Standards as the regular Algebra I course at a more basic level. Students are placed in this course based on Iowa assessment scores, FAST testing scores and teacher and/or administration recommendation. Students in this course receive intensive attention to concepts and support based upon their specific needs. Throughout this course we will go over algebraic expressions, real numbers, solving and graphing equations, polynomials, systems of equations, multiplying and factoring polynomials, ratios and proportions, as well as geometry concepts.

Integrated Math 2: (Year)**Grade:****Credit:** 2**Prerequisite:** Integrated Math I**Semester:** Year**NCAA Clearinghouse:** Approved**Required:**

Course Description: This is the second year of a two-year series where students are able to receive the same content and Iowa Core Standards as the regular Algebra I and Geometry course at a more basic level. Students taking this course will have successfully completed Integrated Math 1. Throughout this course students will receive intensive attention to algebraic and geometric concepts, along with support based upon their specific needs. Students will continue analyzing and solving linear equations, systems of equations and inequalities, and exploring polynomials. Students will also continue concepts of geometry such as: coordinate geometry, angle and side measurements of triangles, similarity and congruence.

Foundations of Algebraic Thinking: (Year)

Grade: 11-12

Credit: 2

Prerequisite: Integrated 1 & 2 or Algebra I and Geometry as well as teacher/administrative recommendation

Semester: Year

NCAA Clearinghouse: Approved

Required: Yes

Course Description: Foundations of Algebraic Thinking extends algebra and geometry concepts. The course includes a review of such topics as properties and operations of real numbers, evaluation of rational algebraic expressions, solutions and graphs of first degree equations and inequalities, translation of word problems into equations, operations with and factoring of polynomials, simple quadratics, properties of plane and solid figures, rules of congruence and similarity, coordinate geometry, including lines, segments, and circles in the coordinate plane; and angle measurement in triangles including trigonometric ratios. This course is not a university bound course alone. Students wishing to attend a university will also need to take Algebra 2.

Geometry

Grade: 9-11

Credit: 2

*If taking Algebra I as a middle school student must pass with 80% or higher to advance into geometry while in middle school.

Prerequisite: Algebra I* or Basic Algebra II

Semester: Year

NCAA Clearinghouse: Approved

Required: Yes

Course Description: This course will be used to model real world situations. Some of the topics students will learn are as follows: transformations of shapes on a graph and plane, triangle similarity, triangle trigonometry, volume and surface area, geometric proofs, circle geometry, geometric constructions and probability. Students will also utilize IXL math program for enrichment and reteaching of topics.

Algebra II

Grade: 10-12

Credit: 2

Prerequisite: Geometry or Integrated 1 & 2

Semester: Year

NCAA Clearinghouse: Approved

Required: Yes

Course Description: Algebra II is a course designed to build on algebraic and geometric concepts. It develops advanced algebra skills such as advanced polynomials, imaginary and complex numbers, quadratics, exponential and logarithmic functions, rational and radical functions, probability, data analysis, sequences and series, as well as trigonometric concepts. The content of this course is important for students' success on both the ACT and college mathematics entrance exams. Students who complete Algebra II should take AP Statistics or Pre-Calculus next.

Pre-Calculus/Trigonometry

Grade: 11-12

Credit: 2

Prerequisite: Algebra II with C or higher

Semester: Year

NCAA: Approved

Required: No

Course Description: This course focuses on analyzing exponential and logarithmic functions, trigonometric identities and equations, vectors and exploration of the derivative and integral in calculus. It will provide students with the background necessary for success in a calculus course.

DMACC Applied Math I (MAT772)

Grade: 11-12

Credit: 1

Prerequisite: Geometry or Integrated 1 & 2

Semester: Fall

College: Taught by Mrs. Hartgers for DMACC credit

Required: No

Course Description: A course in elementary mathematical skills for technicians. Topics covered include fundamental operations with whole numbers, fractions, decimals and signed numbers; percents; geometric figures and basic constructions; area and volume formulas; English/Metric systems; measurements; and the interpretation of graphs and charts. DMACC competencies for this class will be followed, as listed on their website.

DMACC Applied Math II (MAT773)

Grade: 11-12

Credit: 1

Prerequisite: Minimum ALEKS score of 30% and Applied Math I

Semester:

Spring

College: Taught by Mrs. Hartgers for DMACC Credit

Required: No

Course Description: A course in algebra and trigonometry for technicians. Topics covered include polynomials, equations, systems of linear equations, factoring, quadratic equations, trigonometry, powers, roots and logarithms. DMACC competencies for this class will be followed, as listed on their website.

AP Statistics

Grade: 11-12

Credit: 2

Prerequisite: Algebra II B or higher & teacher recommendation

Semester: Year

NCAA Clearinghouse: Approved

Required: No

Course Description: The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. College credit is awarded with an end of year exam score of 3, 4 or 5. Please check your college of choice for transfer credit.

AP Calculus AB

Grade: 12

Credit: 2

Prerequisite: Pre Calculus/Trig B or higher & teacher recommendation

Semester: Year

NCAA Clearinghouse: Approved

Required: No

Course Description: AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. College credit is awarded with an end of year exam score of 3, 4 or 5. Please check your college of choice for transfer credit.

General Math

Grade:9-12

Prerequisite: Teacher Recommendation

NCAA Clearinghouse:

Course Description:

The purpose of this course is to meet the needs of the students who have an individualized education plan that require the standards be taught in a specialized designed setting. This course can be taken up to 3 years depending on the need of the student.

Credit: 2

Semester: Year

Required: No

SCIENCE

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requirement?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Physical Science	x					x	2	no
Biology	x	x				x	2	yes
Chemistry			x	x		x	2	yes
Environmental Science			x	x		x	2	yes
Anatomy/Physiology (Offered Even years)		x	x	x		x	2	yes
Physics (Offered odd years)		x	x	x		x	2	yes
AP Chemistry			x	x		x	2	yes
General Science	x	x	x	x		x	2	yes

Physical Science

Grade: 9

Prerequisite: None

NCAA Clearinghouse: Approved

Course Description: The first semester is an introduction to chemistry including the structure of matter and reactions of matter. The second semester is an introduction to physics and space science including forces, motion, and energy.

Credit: 2

Semester: Year

Required: Yes

Biology

Grade: 9-10

Prerequisite: Physical Science

NCAA Clearinghouse: Approved

Course Description: Biology is the study of living organisms. We will be studying the subcellular level, cell biology, genetics, a survey of the kingdoms, and biosystems. We will also study the impact of changes in environment to living organisms. Labs will be conducted to exercise scientific method and to examine hands-on biological principles.

Credit: 2

Semester: Year

Required: Yes

Environmental Science

Grade: 11-12

Credit: 2

Prerequisite: Physical Science & Biology

Semester: Year

NCAA Clearinghouse : Approved

Required: No

Course Description: The course is designed for students to study the interrelationships between organisms and their physical surroundings, focusing on the effects man has within the world ecosystem. Providing students with knowledge to evaluate choices that can reduce the negative impact man has made on the environment and optimize worldwide living standards. Emphasis is placed on the development of scientific principles, which allow students to identify and analyze environmental problems and associated risks. Students also examine solutions that can resolve/prevent ecological problems through critical and creative thinking skills.

Chemistry

Grade: 10-12

Credit: 2

Prerequisite: Biology, Algebra II (or taking simultaneously)

Semester: Year

NCAA Clearinghouse: Approved

Required: No

Course Description: This is a fundamental course that includes the study of atomic theory, the periodic table, chemical bonding, and principles of chemical reactions. A good mathematics background is necessary. Calculators are required and lab goggles are provided. Lab techniques will be studied in depth.

Anatomy/Physiology

Grade: 10-12

Credit: 2

Prerequisite: Chemistry (or taking simultaneously)

Semester: Year (offered even years)

NCAA Clearinghouse: Approved

Required: No

Course Description: Designed for students planning to attend college and who choose a major such as biology, nursing, or medicine. We will be studying from a sub-cellular level to the entire body. We will learn about the locations of structures, appearances of tissues and cells, and relationships between different organs and body components. We will also study the mechanisms that operate different activities in the body and how these are related to various human diseases. This class is only offered every other year at CM in years starting with an even number.

Physics

Grade: 11-12

Credit: 2

Prerequisite: Algebra II, Chemistry, Pre Calc/Trig (or taking simultaneously) **Semester:** Year (offered odd years)

NCAA Clearinghouse: Approved

Required: No

Course Description: Physics is designed for students intending to pursue studies in science related areas such as engineering, health sciences, architecture, pharmacy, materials science, etc. The course will focus on the applications to the physical world through exploratory investigations and activities.

Using laboratory investigations, physics will focus on: linear motion, two dimensional motion, laws of motion, force, momentum and collisions, work and energy, rotational motion, gravitational interactions, matter, thermodynamics, waves, sound, light and color, electricity and magnetism. Emphasis will be placed on appreciating physics as a human endeavor to understand the concepts, theories, and laws governing the interaction of matter, energy, and forces as well as encouraging application of physics to common life experiences. Calculators are required. This class is only offered every other year at CM in years starting with an odd year. If a student wishes to take this course in an even year and the school deems it appropriate the student will be allowed to take it on APEX. If less than 5 students enroll in physics in any year all students will take the course on APEX.

AP Chemistry

Grade: 11-12

Prerequisite: B or higher in Chemistry & teacher recommendation

NCAA Clearinghouse: Approved

Course Description: AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. College credit is awarded with an end of the year exam score of 3, 4 or 5. Please check your college of choice for transfer credit. This is through an online institution course offering only, unless there are 5 or more students in the course.

Credit: 2

Semester: Year

Required: No

General Science

Grade:9-12

Prerequisite: Teacher Recommendation

NCAA Clearinghouse:

Course Description:

The purpose of this course is to meet the needs of the students who have an individualized education plan that require the standards be taught in a specialized designed setting. This course can be taken up to 3 years depending on the need of the student.

Credit: 2

Semester: Year

Required: No

SOCIAL STUDIES

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requirement?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
World History	x					x	2	no
American History		x	x			x	2	no
Modern U.S. History I		x	x	x	x		1	no
Modern U.S. History II		x	x	x	x		1	yes
Modern Conflict I		x	x	x	x		1	no
Modern Conflict II		x	x	x	x		1	yes
Geography	x	x	x	x	x		1	no
Law & Society	x	x	x	x	x		1	no
Sports History		x	x	x	x		1	no
Social Studies Through Film			x	x	x		1	no
American Government			x	x	x		1	no

Economics			x	x	x		1	no
Sociology	x	x	x	x	x		1	no
Psychology	x	x	x	x	x		1	no
DMACC National Government			x	x	x		1	yes
AP U.S. History (Online)	x	x	x	x	x		2	yes
General Social Studies	x	x	x	x		x	2	yes

American History

Grade: 10-11

Credit: 2

Prerequisite: None

Semester: Year

NCAA Clearinghouse: Approved

Required: Yes

Course Description: This course provides a one-year survey of American history from the Colonial Period and the American Revolution to the present day, with an emphasis on the twentieth century. Using the textbook and primary documents and current events, students learn about the various political, social, religious, and economic developments that have shaped and continue to shape the United States. Creating a project for National History Day for the second semester will be a requirement.

Ancient (World History) & Contemporary World History

Grade: 9 or 10

Credit: 2

Prerequisite: None

Semester: Year

NCAA Clearinghouse: Approved

Required: Yes

Course Description: Study the development of both Western and Eastern civilization. This course provides a comprehensive treatment of ancient and medieval history and gives in-depth coverage of modern history.

Modern U.S. History: The 60's, 70's & 80's

Grade: 10-12

Credit: 1

Prerequisite: None

Semester: Fall

NCAA Clearinghouse: Not Approved

Required: No

Course Description: This is a course that is designed as a "glimpse into the lives of the Baby Boomer generation" with an emphasis on the culture of the three decades. It is an opportunity for students to look into the lives of their parents and grandparents. The semester will focus on the '60's and study the impact of the Hippie Generation, the counter-culture, Woodstock, The Summer of Love, JFK assassination, 1968.

Modern U.S. History: The 60's, 70's & 80's II

Grade: 10-12

Credit: 1

Prerequisite: Modern U.S. History

Semester: Spring

NCAA Clearinghouse: Not Approved

Required: No

Course Description: This course will dive further into depth of the events that shaped these three decades, mostly the '70's and '80's. More focus is given to political events, for example the Cuban Missile Crisis, Watergate and the Cold War. Students will develop an understanding of how these have an impact on our lives today.

Modern Conflict I

Grade: 10-12

Prerequisite:

NCAA Clearinghouse: Not Approved

Course Description: This course will have an emphasis on recent American History, with a mix of CURRENT EVENTS. The course will span from the end of the Cold War through present day. Students will use a variety of methods and activities to examine historical causes or possible solutions. Students will interpret the past and the present, focusing on the major events of the last twenty-five years.

Credit: 1

Semester: Fall

Required: No

Modern Conflict II

Grade: 10-12

Prerequisite: Modern Conflict I

NCAA Clearinghouse: Not Approved

Course Description: The course will allow students to study political, economic and social issues facing the United States and the rest of the world. Semester I will focus on selected issues and concepts beginning after World War II. Semester 2 will pick up where Semester I left off, ending with more recent and current issues. Students will use a variety of methods and activities to examine historical causes or possible solutions.

Credit: 1

Semester: Spring

Required: No

Geography

Grade: 9-12

Prerequisite: None

NCAA Clearinghouse: Approved

Course Description: In this course, students will study the physical geography and human characteristics of the Earth and how they interact with each other. A major focus will be on US geography and map skills.

Credit: 1

Semester: Fall or Spring

Required: No

Law & Society

Grade: 10-12

Prerequisite: None

NCAA Clearinghouse: Not approved

Course Description: This course is designed to provide students with an understanding of your legal rights and responsibilities, a knowledge of every-day legal problems, and the ability to analyze, evaluate, and, in some situations, resolve legal disputes. During the course of the semester, we will address general problems in the areas of criminal and juvenile justice, torts, consumer, family, housing, and law.

Credit: 1

Semester: Spring

Required: No

Sports History

Grade: 10-12

Prerequisite: None

NCAA Clearinghouse: Not approved

Course Description: This class will examine the development of sports in America and around the world. Our historical study will focus on helping students gain a better understanding of the inner relationship that sports has on social, economic, cultural, and political forces that are at work in the United States as well as the world. We will examine the historical context as well as the significance of race, gender, ethnicity, and social class. We will do our historical investigation through readings, primary sources, audio, and visual materials as well as class discussions. Topics covered will range from the first Olympics to athletes and the law and everything in between.

Credit: 1

Semester: Fall

Required: No

Social Studies Through Film

Grade: 11-12

Prerequisite: None

NCAA Clearinghouse: Not approved

Credit: 1

Semester: Fall or Spring

Required: No

Course Description: Rather than learning history, geography, economics, and civics through an organized, chronological curriculum, this course will use films and simulations to examine various social studies content. The topics covered in this course will be free-flowing and students will be allowed the opportunity to help determine the direction we move. Students who take this course will be required to watch and analyze the films shown in class and participate in classroom simulations.

American Government

Grade: 12

Prerequisite: None

NCAA Clearinghouse: Approved

Credit: 1

Semester: Fall or Spring

Required: Yes

Course Description: This course covers information essential to understanding the nature of the American system of government. Study is based on the assumption that government at every level in the United States is "government of the people, by the people, and for the people." Students will participate in the annual Know Your Constitution program in connection with the Iowa Bar Association.

Economics

Grade: 12

Prerequisite: None

NCAA Clearinghouse: Approved

Credit: 1

Semester: Fall or Spring

Required: Yes

Course Description: Economics examines two basic areas: 1) consumer economics; including budgeting, consumer spending and saving, and the laws and organizations to help the consumer, and 2) fundamental economic theory, including microeconomics and macroeconomics with emphasis on supply and demand, the U.S. economy, free market systems, the stock market and the Federal Reserve. This class does a real world simulation and a self-guided financial literacy course online in connection with Everfi. ***This course meets the Financial Literacy State requirement***

Sociology

Grade: 9-12

Prerequisite: None

NCAA Clearinghouse: Approved

Credit: 1

Semester: Spring

Required: No

Course Description: This course illustrates how the groups, or social structures, that one belongs to have a profound influence on the way one thinks, feels, and acts. Sociology looks at groups rather than individuals. Major themes include deviance and social control, inequalities of gender and age, family and marriage, and social issues surrounding modern sport.

Psychology

Grade: 9-12

Prerequisite: None

NCAA Clearinghouse: Approved

Credit: 1

Semester: Fall

Required: No

Course Description: This course focuses on the study of human behavior. As an introduction to the field of psychology, this is an elective course that includes consideration of psychological principles, terminology, major theories, careers, methods of experimentation, and practical applications. Special topics include personality development, problem solving, group dynamics, and motivation.

DMACC American National Government (POL111)**Grade:** 11-12**Credit:** 1**Prerequisite:** B or higher in American History**Semester:** Fall or Spring**College:** Taught by Mr. Haus for DMACC credit**Required:** No

Course Description: This course focuses on the American political system and how and why the citizenry relate to the government as they do. Emphasis is placed upon the organization and functioning of the presidential, legislative and judicial subsystems. This is a dual enrolled class and it will meet Collins-Maxwell social studies credit requirement and as well will receive college credit.

AP United States History (Please check your college of choice for transfer credit/Online Only)**Grade:** 11-12**Credit:** 2**Prerequisite:** B or higher in World History and prior year English plus teacher recommendation**Semester:** Year**NCAA Clearinghouse:** Approved**Required:** No

Course Description: The AP U.S. History course focuses on the development of historical thinking skills (chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative) and the development of students' abilities to think conceptually about U.S. history from approximately 1491 to the present. Seven themes of equal importance — American and National Identity; Migration and Settlement; Politics and Power; Work, Exchange, and Technology; America in the World; Geography and the Environment; and Culture and Society — provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. The course also allows flexibility across nine different periods of U.S. history to teach topics of their choice in depth. College credit is awarded with an end of the year exam score of 3, 4 or 5.

General Social Studies**Grade:**9-12**Credit:** 2**Prerequisite:** Teacher Recommendation**Semester:** Year**NCAA Clearinghouse:****Required:** No**Course Description:**

The purpose of this course is to meet the needs of the students who have an individualized education plan that require the standards be taught in a specialized designed setting. This course can be taken up to 3 years depending on the need of the student.

FAMILY AND CONSUMER SCIENCES

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requisite ?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Nutrition & Wellness	x	x	x	x	x		1	no
Culinary Arts	x	x	x	x	x		1	yes

Child Development	x	x	x	x		x	2	no
Interpersonal Relationships	x	x	x	x	x		1	no
Housing, Textiles & Design	x	x	x	x	x		1	no

Nutrition and Wellness

Grade: 9-12

Credit: 1

Prerequisite: None

Semester: Fall

NCAA Clearinghouse: Not Approved

Required: No

Course Description: This course is designed to prepare students to become self-sufficient in the kitchen in all aspects from planning, preparation, and nutrition. Food, nutrition, and wellness continually change to reflect the realities of today's world. Teens need to find time for healthy meals in a tightly scheduled day, as they sort through ever-expanding options and advertisements. This class will teach students how to make healthy and informed food related decisions that contribute to wellness over their lifetime. The first half of the course is dedicated to basic cooking techniques and safety/sanitation in the kitchen while cooking with grains, fruits, vegetables, protein, and dairy products. The second half of the course connects the culinary concepts with nutrition and meal management in preparing wholesome, nutrient-rich recipes. Labs are incorporated weekly allowing students to apply what they have learned.

Culinary Arts

Grade: 9-12

Credit: 1

Prerequisite: Nutrition & Wellness

Semester: Spring

NCAA Clearinghouse: Not Approved

Required: No

Course Description: This course focuses on the basics of the food service and hospitality industry. Students will learn advanced safety and sanitation procedures, learn intricate knife cuts, practice advanced food preparation techniques, experiment with a variety of herbs/spices, and explore careers in the culinary industry. Additional topics may include regional and ethnic food options, menu planning, mise en place, plating techniques, baking/pastry arts, and much more! Labs are incorporated weekly allowing students to apply what they have learned.

Child Development

Grade: 9-12

Credit: 2

Prerequisite: None

Semester: Year

NCAA Clearinghouse: Not approved

Required: No

Course Description: Do you have an interest in working with children for a future career? Do you think you may become a parent someday? This course takes a closer look at child development from conception to young adulthood. We will explore physical, intellectual, social, emotional, and moral development of infants, toddlers, school age children and beyond! Students will learn about ages and stages of growing children, child safety, childcare options, effective disciplinary techniques, and creative child friendly activities and snacks. Developmental theorists will be examined and incorporated into each stage of development.

Interpersonal Relationships

Grade: 9-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall

Required: No

Course Description: Do you want to learn how to improve your relationships with others? Do you plan to have a career that relates to human services where you will be working with families, children, or people in general? Do you want to learn about current family dynamics? If so, this course is for you! Students will discuss important aspects of human relationships such as positive communication, conflict resolution, identifying healthy vs. unhealthy relationship qualities, dating violence/abuse/sexual assault, engagement/marriage, and family roles.

Housing, Textiles, and Design

Grade: 9-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Spring

Required: No

Course Description: This class is divided into two unique areas. The first half of this course will focus on housing and interior design. We will discuss the need for housing, along with the impact of design, furniture, floor plans, and much more! Activities will focus on the selection and planning of designed spaces to meet needs, wants, values and lifestyles in order to create safe, functional and pleasing spaces. Possible course topics include housing types, architectural design, interior design, furniture styles and arrangement, and the application of the elements and principles of design. The second half of this course focuses on textiles, sewing, and design. This area is almost 100% hands-on learning, where students explore a variety of sewing techniques. Possible topics include color schemes, the elements and principles of design, and fabric and fiber types. Students will apply these design basics into a variety of projects that include skills such as hand-stitching, machine stitching, and knitting. Students will have the opportunity to create clothing and other textile items, read and apply pattern directions to garment construction, and will become environmentally conscious in their textile choices. The information learned in this class can be applied in the home setting but will also apply to students who have an interest in pursuing a career in this area!

BUSINESS & TECHNOLOGY

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Accounting I		x	x	x		x	2	no
Career Development Skills DMACC ADM 221			x	x	x		1	no
Entrepreneurship	x	x	x	x	x		1	no
Financial Literacy	x	x	x	x	x		1	no
Introduction to Business	x	x	x	x	x		1	no

Yearbook I	x	x	x	x	x		1	no
Yearbook 2	x	x	x	x	x		1	no
Computer Applications	x	x			x		1	no
Web Design	x	x	x	x	x		1	no
Advanced Computers		x	x	x	x		1	yes

Accounting I

Grade: 10-12

Credit: 2

Prerequisite: None

Semester: Year

NCAA Clearinghouse: Not Approved

Required: No

Course Description: Accounting I will give students a background in the basic accounting procedures used to operate a business. Students will learn accounting procedures for sole proprietorships, partnerships, and corporations. Simulations and real world scenarios will also be used for this course.

Career Development Skills (DMACC ADM 221)

Grade: 11-12

Credit: 1

Prerequisite: None

Semester: Spring

NCAA Clearinghouse: Not Approved

Required: No

Course Description: This course covers aspects of professional career placement including various interview methods, job application materials, electronic career portfolios, digital footprint and professional image, as well as negotiating the job offer. Preparing a cover letter, resume, letter of acceptance, resignation letter, thank you letter, and answers for behavioral interview questions. This class will also look into students interests and explore different career options.

Financial Literacy

Grade: 9-12

Credit: 1

Prerequisite: None

Semester: Fall

NCAA Clearinghouse: Not Approved

Required: No

Course Description: This course will teach students everything they need to know about spending money wisely, banking, saving, investing, using credit, and debt. This class will attempt to improve the national trends of irresponsible use of credit and lack of savings and investments and prepare them for life after high school. This class is useful for any student who will soon be in charge of their own financial well-being. Simulations and real world scenarios will also be used for this course.

Introduction to Business

Grade: 9-12

Credit: 1

Prerequisite: None

Semester: Fall

NCAA Clearinghouse: Not Approved

Required: No

Course Description: This course will introduce students to the exciting and challenging world of business. Students will be more prepared as knowledgeable consumers, well-prepared employees, and effective citizens of our economy. This course will serve as a background for other business courses students will take in high school and in college. This course will prepare students for future employment or business ownership as well as make them informed citizens for an expanding international economy.

Entrepreneurship

Grade: 9-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Spring

Required: No

Course Description: Entrepreneurship focuses on recognizing a business opportunity, starting a business, operating and maintaining a business. Students will be exposed to the development of critical thinking, problem solving, and innovation. Integration of accounting, finance, marketing, business management, legal and economic environments will be developed throughout projects in this course. Working to develop a business plan that includes structuring the organization, financing the organization, and managing information, operations, marketing, and human resources will be a focus in the course. Engaging students in the creation and management of a business and the challenges of being a small business owner will be fulfilled in this course. Various forms of technologies will be used to expose students to resources and application of business principles for starting, operating and maintaining a business. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are enhanced in this course to prepare students to be college and career ready. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business & industry.

Yearbook I

Grade: 10-12

Prerequisite: Instructor Approval

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall

Required: No

Course Description: Students work collaboratively by using technology such as digital cameras, photo editing software and Adobe InDesign or online design software to digitally produce a yearbook. Students use writing skills, communication skills and creativity to tell the story of the school community and peers in an engaging way. Students demonstrate knowledge of graphic design and think creatively when organizing information. In this college and career ready course, students think critically to meet deadlines, track to goals and utilize multimedia to market and disseminate information that aligns with and models an actual business.

Yearbook II

Grade: 10-12

Prerequisite: Instructor Approval

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Spring

Required: No

Course Description: Students work collaboratively by using technology such as digital cameras, photo editing software and Adobe InDesign or online design software to digitally produce a yearbook. Students use writing skills, communication skills and creativity to tell the story of the school community and peers in an engaging way. Students demonstrate knowledge of graphic design and think creatively when organizing information. In this college and career ready course, students think critically to meet deadlines, track to goals and utilize multimedia to market and disseminate information that aligns with and models an actual business.

Computer Applications

Grade: 9 or 10

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall or Spring

Required: Yes

Course Description: This course will focus on Computer Applications which students will be expected to use in their high school classes. Emphasis will be on Google Drive, Mail, Docs, Sheets, Slides and Forms and Microsoft

Word, Excel, and PowerPoint. Students will use online resources for research purposes and a review of keyboarding skills will also be covered.

Web Design

Grade: 9-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall/Spring

Required: No

Course Description: This course is an introduction to the theory and application of Web Page Design, with particular emphasis on design elements involving layout, navigation, and interactivity. Students will produce several different types of Web Pages. Students will learn about the role web pages play in society and help prepare students for higher education or jobs in the technology field. The students may be working with local businesses and/or the school to help with updating or creating web sites.

Advanced Computers

Grade: 10-12

Prerequisite: Introductory Comp Apps

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Fall/Spring

Required: No

Course Description: This course is designed to explore the digital media world. Students will be learning how to use different mediums such as and not limited to: iMovie, iTunes, YouTube, GarageBand, Pinnacle movie software, Google, etc.. Students will complete a series of projects and gain a better understanding of how to use digital cameras, scanners, and digital video to create slideshows, videos, and DVD movies.

AGRICULTURE

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Intro to Agriculture	X	X	X	X	X		1	no
Survey of the Animal Industry DMACC AGS 114		X	X	X	X		1	yes
Agribusiness Management DMACC AGB 331	X	X	X	X	X		1	yes
Natural Resources I		X	X	X	X		1	yes
Natural Resources II		X	X	X	X		1	yes
Plant Science		X	X	X	X		1	yes
Ag Welding		X	X	X	X		1	yes
Ag Fabrication I		X	X	X	X		1	no
Ag Fabrication II		X	X	X	X		1	yes
Ag Structures I			X	X	X		1	

Ag Structures II			x	x	x		1	yes
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Introduction to Agriculture

Grade: 9-12

Credit: 1

Prerequisite: None

Semester: Fall

NCAA Clearinghouse: Not Approved

Required: No

Course Description: Opportunities for employment in areas of agriculture including: business, sales and service, production agriculture, horticulture, natural resources, mechanics, and products and processing are explained through practical, hands-on experiences, trips, and activities.

DMACC Survey of the Animal Industry (AGS114)

Grade: 10-12

Credit: 1

Prerequisite: Animal Care & Production

Semester: Fall

NCAA Clearinghouse: Not Approved

Required: No

Course Description: An analysis of the livestock industry with emphasis on reproduction, inheritance, performance testing, selection and marketing.

DMACC Agribusiness Management (AGB331)

Grade: 9-12

Credit: 1

Prerequisite: Animal Care & Production

Semester: Spring

NCAA Clearinghouse: Not Approved

Required: No

Course Description: A study of the role and organization of several aspects of agribusiness including financial management and control, marketing, operations and resource management.

Ag Fabrication I

Grade: 10-12

Credit: 1

Prerequisite: Ag Shop I required for Ag Shop II

Semester: Fall and Spring

NCAA Clearinghouse: Not Approved

Required: No

Course Description: This class will provide students with skills to help design metal projects. The class will cover the basics of creating plans and reading plans according to specifications. Students will learn about various tools and tool safety. Students will work with projects that are assigned and will be graded. Students will learn to operate a CNC plasma cutter and use machine's CAD program. Projects are from plans or can be a refurbishing project. When a final project is completed, another project will be in place as time permits.

Ag Fabrication II

Grade: 10-12

Credit: 1

Prerequisite: Ag Shop I required for Ag Shop II

Semester: Fall and Spring

NCAA Clearinghouse: Not Approved

Course Description: This class will provide students with skills to help design wood projects. The class will cover the basics of creating plans and reading plans according to specifications. Students will learn about various tools and tool safety. Students will work with projects that are assigned and will be graded. Students will be learning about woodworking tools. Projects are from plans or can be a refurbishing project. When a final project is completed, another project will be in place as time permits.

Natural Resources I

Grade: 10-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Course Description: This class will cover the basics of defining natural resources and how to properly manage them. Emphasis will be placed on how to care for land and preserve the environment. Other areas covered include: hunting, trapping, agriculture, taxidermy, building wildlife nesting structures, and forestry.

Credit: 1

Semester: Fall

Required: No

Natural Resources II

Grade: 10-12

Prerequisite: Natural Resources I

NCAA Clearinghouse: Not Approved

Course Description: This class will cover the basics of defining natural resources and how to properly manage them. Emphasis will be placed on how to care for land and preserve the environment. Other areas covered include: hunting, trapping, agriculture, taxidermy, building wildlife nesting structures, and forestry.

Credit: 1

Semester: Spring

Required: No

Agriculture Structures and Construction I (1 Semester)

Grade: 11-12

Prerequisite: None

NCAA Clearinghouse: Not approved

This is a semester long course designed to give students basic knowledge about ag structures construction. Topics included in this course are construction materials, plumbing, electrical wiring, concrete forming and pouring, framing, tool identification, wall sheathing and much more as time permits. When the course is over, students should have a basic knowledge and understanding of the residential construction field. Final class project is to build an outdoor shed.

Credit: 2

Semester: Year

Required: no

Agriculture Structures and Construction II (1 Semesters)

Grade: 11-12

Prerequisite: Agriculture and Construction I

NCAA Clearinghouse: Not approved

This is a semester long course designed to give students the opportunity to use the knowledge gained in Agriculture Structures and Construction I. Students will be involved with blueprint reading and understanding building codes. Students will be involved with a construction project.

Credit: 2

Semester: Year

Required: No

Plant Science

Grade: 10-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Course Description: This course introduces students to basic horticulture. Includes plant anatomy and physiology, plant classification and identification, and basic plant care.

Credit: 1

Semester: Fall

Required: No

Ag Welding

Grade: 10-12

Credit: 1

Prerequisite: None

Semester: Fall

NCAA Clearinghouse: Not Approved

Required: No

Course Description: Students will learn the fundamentals of SMAW, GMAW, oxy-fuel cutting, and Plasma Arc Cutting. Students will also learn about business aspects of the welding business.

MUSIC

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Vocal Music	x	x	x	x		x	1	no
Instrumental Music	x	x	x	x		x	1	yes
Music Theory	x	x	x	x	x		1	no

Vocal Music - meets on A Days (alternates with PE, study hall or instrumental music in the combination option below)

Grade: 9-12

Credit: 1

Prerequisite: None

Semester: Year

NCAA Clearinghouse: Not Approved

Required: No

Course Description: Learn the fundamentals of singing techniques and musicianship, utilizing music theory and performance skills through a wide variety of traditional and contemporary music. Enjoy the opportunity to perform in the Dinner Theater (in the fall), two concerts, large group context, and the musical (in the spring) chorus, role, or technical position. Class requirements include one private lesson per week (during the school day) as well as concert/musical attendance. There will be some required rehearsals outside the school day. Honor and festival choir opportunities are available. A Music Department trip is planned every other year. Students must be a participating member of the band or chorus to take advantage of this opportunity.

Instrumental Music - meets on B days (alternates with PE, study hall or vocal in the combination option below)

Grade: 9-12

Credit: 1

Prerequisite: MS Band or Instructor Approval

Semester: Year

NCAA Clearinghouse: Not Approved

Required: No

Course Description: Students will develop performance skills on their various wind or percussion instruments, get acquainted with music theory/history, and how history and musical composition relates to students' lives and musical experience. Students will participate in concert, marching and pep bands. The band participates in local and state parades, contests, and clinics, as well as activities sponsored by the Iowa High School Music Association. Band members actively support school activities and athletic events through their participation and performance. A weekly lesson will be scheduled for each student to develop individual skills. Opportunities to participate in honor bands and Solo and Ensemble contest will be available. A Music Department trip is planned every other year. Students must be a participating member of the band or chorus to take advantage of this opportunity.

Music Theory

Grade: 9-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Credit: 1

Semester: Semester

Required: No

Course Description: This course develops a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. Topics include: musical terminology, notational skills, basic compositional skills, musical analysis, and aural skills.

WORLD LANGUAGE

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requirement?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Spanish I	x	x	x	x		x	2	no
Spanish II		x	x	x		x	2	yes
Spanish III			x	x		x	2	yes
Spanish IV				x		x	2	yes
Spanish IV for DMACC credit				x		x	2	yes

* *Colleges have different admission requirements regarding world language and students should check on specific college requirements. Most two year colleges do not require world language while most four year colleges require two to three years of the **same** world language in high school.*

Spanish I

Grade: 9-12

Prerequisite: None

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: No

Course Description: Spanish I provides the foundation of language learning in listening comprehension, speaking, reading and writing, within the cultural context of the Spanish-speaking world. Students learn to communicate about a variety of everyday situations and topics such as greetings, introductions, conversation, food, numbers, dates, weather, seasons, family, home, school activities and friends. In addition, students learn about, and compare the culture of Spanish-speaking countries with their own country. Emphasis is placed on communication, both written and oral, using appropriate grammar, vocabulary, idiomatic expressions and pronunciation. Students participate in a variety of in-class activities and do daily assignments to practice the content presented in class. This course is conducted in both Spanish and English with more emphasis on Spanish as the year progresses. Students are expected to start using learned Spanish words and phrases to communicate. Through multiple exposures to, and practice with the content, students can develop a novice low/novice mid language proficiency in this course.

Spanish II

Grade: 10-12

Prerequisite: C or higher in Spanish I

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: No

Course Description: Spanish II builds on the language foundation begun in Spanish I by expanding students' knowledge of the Spanish language and their understanding of the culture. Students continue learning to communicate about a variety of everyday situations and topics and also begin to expand their situational knowledge beyond the context of their immediate world. In this level, situations and topics such as travel, daily routines, clothes, shopping and legends are explored. Emphasis is placed on communication, both written and oral, using appropriate grammar, vocabulary, idiomatic expressions and pronunciation. Students participate in a variety of in-class activities and do daily assignments to practice the content presented in class. This course is conducted in both Spanish and English with more emphasis on Spanish as the year progresses. Students are expected to communicate using the Spanish they have acquired with greater Spanish production as the year progresses. Through multiple exposures to and practice with the content, students can develop a novice mid/novice high language proficiency in this course.

Spanish III

Grade: 11-12

Prerequisite: C or higher in Spanish II

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: No

Course Description: Spanish III reviews previously learned skills, expands vocabulary and introduces more complex language. Students continue to improve their language proficiency and broaden their understanding of Hispanic culture through situational contexts such as outdoor activities, volunteering, the environment and career goals. In this level there is more exposure to a variety of literature selections informational texts and videos to increase reading and listening comprehension of authentic sources, as well as to increase cultural understanding. Emphasis is placed on communication, both written and oral, using appropriate grammar, vocabulary, idiomatic expressions and pronunciation. Students participate in a variety of in-class activities and do daily assignments to practice the content presented in class. This course is largely conducted in Spanish with English being used as needed. Students are expected to always attempt to communicate in Spanish first. Through multiple exposures to and practice with the content, students can develop a novice high/intermediate low language proficiency in this course.

Spanish IV

Grade: 12

Prerequisite: C or higher in Spanish III

NCAA Clearinghouse: Approved

Credit: 2

Semester: Year

Required: No

Course Description: Spanish IV strengthens and increases communication skills in the areas of speaking, listening, reading, writing and cultural understanding. In this course, students use the contexts of their future careers, leisure activities, travel, families and society to broaden their vocabulary and increase their grammatical knowledge. Students continue to read a variety of literature selections and informational texts as well as watch a variety of videos to increase reading and listening comprehension of authentic sources as well as to increase cultural understanding. Emphasis is placed on spontaneous communication using previously learned material as well as incorporating newly learned grammar and vocabulary. Students participate in a variety of in-class activities and do frequent assignments to practice the content presented in class. This course

is largely conducted in Spanish with English being used as needed. Students are expected to always attempt to communicate in Spanish. Through multiple exposures to and practice with the content, students can develop an intermediate low/intermediate mid language proficiency in this course.

Spanish IV for DMACC credit

Grade: 12

Prerequisite: Instructor approval

NCAA Clearinghouse: Approved

DMACC Credit: FLS 151 (Fall) and FLS 152 (Spring)

Credit: 2

Semester: Year

Required: No

In Spanish IV for DMACC credit, students earn credit for Elementary Spanish I and II. This course strengthens and increases communication skills in the areas of speaking, listening, reading, writing and cultural understanding. In this course, students use the contexts of their future careers, leisure activities, travel, families and society to broaden their vocabulary and increase their grammatical knowledge. Students continue to read a variety of literature selections and informational texts as well as watch a variety of videos to increase reading and listening comprehension of authentic sources as well as to increase cultural understanding. Emphasis is placed on spontaneous communication using previously learned material as well as incorporating newly learned grammar and vocabulary. In addition, students learn to give formal presentations in Spanish and to write essays. Students participate in a variety of in class activities and do frequent assignments to practice the content presented in class. This course is conducted in Spanish and students are expected to communicate in Spanish. Through multiple exposures to and practice with the content, students can develop an intermediate low/intermediate mid language proficiency in this course. As part of this course, students must complete the DMACC common assessment.

HEALTH & PHYSICAL EDUCATION

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
General PE:	x	x	x	x		x	.5	no
Weight & Speed	x	x	x	x		x	1	no
Health 1 & 2	x	x			x		1	yes

General PE

Grade: 9-12

Prerequisite: None

NCAA Clearinghouse: Not Approved

Course Description: This class will focus on team building and fitness activities. The classes will use team activities like football, volleyball, basketball, wrestling, and softball. We will also do fitness testing. In this class, students will learn how to maintain a healthy lifestyle. Activities will include fitness testing, disc golf, aerobics,

Credit: .5

Semester: Year

Required: Yes or W & S

dance, weight training, and other activities that can be done after graduation. Classes will be run on an A/B Schedule.

Weight & Speed PE

Grade: 9-12

Credit: 1

Prerequisite: None

Semester: Year

NCAA Clearinghouse: Not Approved

Required: Yes or PE

Course Description: Students will focus on increasing strength, power, agility, and speed. The students will weight train on Monday, Wednesday/Thursday (Depending on the block day) and Fridays. Tuesdays and Wednesdays/Thursdays (Depending on the block day) would consist of speed and agility training. Students would spend 4 days a week in PE with the same amount of hours.

Health 1&2

Grade: 9-10

Credit: 1

Prerequisite: None

Semester: Fall or Spring

NCAA Clearinghouse: Not Approved

Required: Yes

Course Description: Students in Health will explore a variety of topics that contribute to overall health and wellness throughout a student’s lifetime. The World Health Organization states, "Health is a state of complete physical, mental and social well-being, and not merely the absence of disease or infirmity." This course will provide information regarding healthy decision-making, based on current and relevant health information. Areas to be covered include dimensions of wellness, emotional health, mental health/suicide awareness, nutrition/fitness, alcohol, tobacco, drugs, reproductive health, emergency care, and more!

MISCELLANEOUS

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Work Experience			x	x		x	1.0	yes
Teacher’s Aide			x	x	x		.5	yes
Office Aide			x	x	x		.5	yes
Technology/Library Aide			x	x	x		.5	yes

Work Experience

Grade: 11-12

Credit: 1

Prerequisite: Teacher/Counselor Approval, successful pre-placement interview, chosen career pathway position availability, job shadow experience, own transportation

Semester: Fall or Spring

NCAA Clearinghouse: Not Approved

Required: No

Course Description: Students will experience actual working conditions in an occupation within their chosen career pathway. Placement will be coordinated by the school and will be with non-family members or relatives. Current employment will not be considered. Students will have to sign and abide by a “Student Agreement,” prior to and during this work experience. Additional documentation will be required. Check the early and late

release procedures in the student handbook for other flexible job/time opportunities that do not meet this criteria.

Teacher's Aide

Grade-11-12

Credit: .50 Fall/.50 Spring

Prerequisite: Administrative Approval

Semester: Fall/Spring

Course Description: students are paired with a teacher in order to assist the teacher and/or students. Teacher Assistant is a cooperative training agreement with supervising teacher, student, and administration. Student will take direction from teacher to provide a safe, comfortable, learning experience in assigned period. Students will be involved in a wide variety of activities based on the subject area and age of students in the teacher's class. Activities may possibly include reading with students, setting up for hands-on learning or distributing lab materials, individual tutoring, supporting small group work after large group instruction, modeling activities and positive participation, hanging student work in a classroom or hallway display, and other meaningful tasks that will help the classroom and teacher. Teachers will fill out a student evaluation form in order for students to receive credit, this may include a short presentation.

Considerations: Students must be on track to graduate, have a cumulative GPA of 3.0 or above, and made a connection with the teacher willing to "host" the teacher aide. The student is not allowed to discuss information they learn about other students). The building principal at any time may determine that a specific classroom/class period is not an appropriate match for a student's TA experience. Must present detailed interest in writing to administration before enrollment.

Office Aide

Grade-11-12

Credit: .50 Fall/.50 Spring

Prerequisite: Administrative Approval

Semester: Fall/Spring

Course Description: students are placed in the main office to assist the secretary, school counselor, dean of students, principal and/or athletic director. Office Assistant is a cooperative training agreement with supervising teacher, student, and administration. Student will take direction from teacher to provide a safe, comfortable, learning experience in assigned period. Students will be involved in a wide variety of activities based on the subject area and age of students in the teacher's class. Activities may possibly include making copies, organizing materials, distributing passes and any other non-confidential office needs. Staff will fill out a student evaluation form in order for students to receive credit, this may include a short presentation.

Considerations: Students must be on track to graduate, have a cumulative GPA of 3.0 or above, and made a connection with the teacher willing to "host" the teacher aide. The student is not allowed to discuss information they learn about other students). The building principal at any time may determine that a specific classroom/class period is not an appropriate match for a student's TA experience. Must present detailed interest in writing to administration before enrollment.

Technology/Library Aide

Grade-11-12

Credit: .50 Fall/.50 Spring

Prerequisite: Administrative Approval

Semester: Fall/Spring

Course Description: students are placed in the library to assist the school librarian and technology director. Library Assistant is a cooperative training agreement with supervising teacher, student, and administration. Student will take direction from the librarian and technology director, to provide a safe, comfortable, learning experience in assigned period. Students will be involved in a wide variety of activities based on the subject area and age of students in the teacher's class. Activities may possibly include making copies, organizing materials, checking books in and out, checking computers in and out, etc.

Considerations: Students must be on track to graduate, have a cumulative GPA of 3.0 or above, and made a connection with the teacher willing to "host" the teacher aide. The student is not allowed to discuss information they learn about other students). The building principal at any time may determine that a specific classroom/class period is not an appropriate match for a student's TA experience. Must present detailed interest in writing to administration before enrollment.

***Students may take up to 2 total Aide courses during their Junior and Senior year totaling 1 overall credit from these courses.**

DMACC CAREER ACADEMY HUNZIKER CENTER

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Class Name: Auto Collision

This program introduces students to the highly technological industry of Auto Collision and Repair. Students will gain experience in the areas of basic shop operations and procedures, welding, painting and shop safety. Twenty-seven DMACC credits are available upon completion of all DMACC Career Academy course offerings. Completion of this program as a high school student provides the opportunity to complete the college diploma program in two college semesters.

Times available: Year 1: M-F 7:30-9:30 a.m. or 12:50-2:50 p.m.

Courses include:

Year One:	Basic Shop Safety	1 credit	1 st Semester
	Sheet Metal Fundamentals	5 credits	1 st Semester
	Sheet Metal Welding	2 credits	2 nd Semester
	Principles of Refinishing	5 credits	2 nd Semester

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Class Name: Automotive Technology

The automotive technology program is designed to prepare students for employment in the automotive service industry. This technological program allows students to gain experience with shop tools, automotive engines, brakes, suspension and alignment. Twenty-two DMACC credits are available upon completion of all DMACC Career Academy course offerings.

Times available: Year 1: M-F 7:30-9:30 a.m. or 12:50-2:50 p.m.

Year 2: M-F 10:00-11:50 a.m.

Courses Include:

Year One:	Intro to Automotive Technology	6 Credits	1 st Semester
	Intro to Automotive Technology II	6 Credits	2 nd Semester
Year Two:	Automotive Engine Repair	3 Credits	1 st Semester
	Auto Electrical I	4 Credits	1 st Semester
	Auto Electrical II	4 Credits	2 nd Semester

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Class Name: Building Trades/Finish Carpentry

This program will allow students to engage in experiential learning in the areas of Construction and / or Carpentry. Twenty-one DMACC credits are available upon completion of all DMACC Career Academy course offerings. Completion of this program as a high school student provides the opportunity to complete the college diploma program in two college semesters. *Transportation to the job site is required.*

Times available: M-F 7:30-9:30 a.m., 10:00-11:50 a.m., or 12:50-2:50 p.m.

Courses Include:

Year One:	Care/Use of Hand/Powers Tools	1 Credit	1 st Semester
	Construction Blueprint Reading	1 Credit	1 st Semester
	Materials/Construction Theory	5 Credits	Year
	Materials Takeoff	1 Credits	2 nd Semester
	Concrete System and Framing	4 Credits	2 nd Semester
Year Two:	Construction Techniques	7 Credits	2 nd Semester
	Construction Drafting & Design	2 Credits	2 nd Semester

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Class Name: Criminal Justice

The criminal Forensics program introduces students to criminal law and crime scene investigation and prepares students for entry into the criminal justice field. Sixteen DMACC credits are available upon completion of all DMACC Career Academy course offerings.

Times available: M-F 7:30-9:30 a.m. or 12:50-2:50 p.m.

Courses include:	Introduction to Criminal Justice	3 Credits	1 st Semester
	Criminal Investigation	3 Credits	1 st Semester
	Crime Scene Investigation I	2 Credits	1 st Semester
	Theories of Interviewing	3 Credits	2 nd Semester
	Criminal & Constitutional Law	3 Credits	2 nd Semester
	Crime Scene Investigation II	2 Credits	2 nd Semester

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Class Name: Culinary Arts

Through hands-on experience, students are introduced to the scientific principals used in food preparation, the hospitality industry, and fundamentals of dining and sanitation. Twelve DMACC credits are available upon completion of all DMACC Career Academy course offerings.

Times available: M-F 7:30-9:30 a.m. or 12:50-2:50 p.m.

Courses include:	Food Preparation I	3 Credits	1 st Semester
	Food Preparation I Lab	3 Credits	1 st Semester
	Food Preparation II	2 Credits	2 nd Semester
	Food Preparation II Lab	2 Credits	2 nd Semester
	Sanitation & Safety	2 Credits	2 nd Semester
	Nutrition	2 Credit	2 nd Semester

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Class Name: Health Occupations

This yearlong program will provide students the opportunity to explore careers in health care and work toward CNA training. Fourteen DMACC credits are available upon completion of all DMACC Career Academy offerings. *Courses require extended clinical sessions in evenings and/or weekends.**

Morning Section: 7:30-9:30 a.m.

Courses include:	*Nurse Aide 75 Hours	3 Credits	1 st Semester
	*Advanced Nurse Aide	3 Credits	1 st Semester

Medical Terminology	3 Credits	2 nd Semester
Intro to Health Occupations	1 Credit	2 nd Semester
Explore Health Career/Bldg Team	3 Credits	2 nd Semester
Emergency Care	1 Credit	2 nd Semester

Afternoon Section: 12:50-2:50 p.m.

Medical Terminology	3 Credits	1 st Semester
Intro to Health Occupation	1 Credit	1 st Semester
Explore Health Career/Bldg Team	3 Credits	1 st Semester
Emergency Care	1 Credit	1 st Semester
*Nurse Aide 75 Hours	3 Credits	2 nd Semester
*Advanced Nurse Aide	3 Credits	2 nd Semester

Nevada Section: 7:30-9:30 a.m.

Courses include:	Medical Terminology	3 Credits	2 nd Semester
	Intro to Health Occupations	1 Credit	2 nd Semester
	Explore Health Career/Bldg Team	3 Credits	2 nd Semester
	Emergency Care	1 Credit	2 nd Semester
	*Nurse Aide 75 Hours	3 Credits	1 st Semester
	*Advanced Nurse Aide	3 Credits	1 st Semester

This series of courses is also offered at Nevada Hospital, M-F, 7:30-9:30 a.m.

Class Name: Teacher Academy

The Teacher Academy provides students with an opportunity to explore education-related professions and take part in real-life teaching experiences. Students will spend a total of 120 hours shadowing elementary and secondary school teachers during portions of their assigned class time. Courses fulfill Level I Field Experience requirement at many four-year colleges.

Times available: M-F 7:30 – 9:30 a.m.

Courses include:	Foundations of Education	3 Credits	1 st Semester
	Career Exploration	1 Credit	1 st Semester
	Initial Field Experience	2 Credits	2 nd Semester
	Electronic Portfolio Development	2 Credits	2 nd Semester

Class Name: Welding

This program allows students to engage in experiential learning in the area of welding. In addition to a welding skill base, students will explore the greater career field of advanced manufacturing through workplace experience. Ten credits are available upon completion of all DMACC Career Academy course offerings.

Times available: M-F 7:30 – 9:30 a.m.

Courses include:	Intro to Fabrication	2 Credits	1 st Semester
	Welding Safety/Health: SENSE 1	1 Credit	1 st Semester
	Print Read/Sym Inter: SENSE 1	3 Credits	1 st Semester

GMAW Sh Cir Transfert: SENSE 1 2 Credits 2nd Semester
GMAW Spray Transfer: SENSE 1 2 Credits 2nd Semester

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Class Name: Story County Active Learning Experiences (SCALE)

SCALE draws upon the expertise of business partners to bring real world applications into the comprehensive high school experience. Through a collaboration of education, business, and industry, the SCALE program seeks to develop highly skilled and adaptable innovators and leaders. With inquiry-based learning and authentic projects and experiences, students add value to business partners while exploring passions and career possibilities identified by economic trends in Story County. Students will do a combination of classroom work and work-based internship-type experience.

Courses Include:

Fall Semester

Multi-Disciplinary Engineering: M-F 7:30-9:30 am

Engineering Orientation 1 Credit
Electronic Portfolio Development 2 Credit

Health and Human Services: M-F 7:30-9:30

Introduction to Human Services 3 credits

Business Communication and Technology: M-F 12:50-2:50 pm

Business Communications 3 Credits

Renewable Energy and Bio-Sciences: M-F 12:50-2:50 pm

Career Exploration 1 Credit
Workplace Professionalism 3 Credits

DMACC Online Career Academy

DMACC Online Career Academy Classes

Students may register for one online course per semester. Juniors and Seniors may register for two online courses per semester. Students will be required to have a 3.5 GPA and 21 ACT composite score to enroll in Liberal Arts and Sciences courses or a teacher/counselor recommendation. High school students will have their own DMACC instructors. DMACC Instructors will have weekly contact with the student.

ACC111 - Intro to Accounting

Credits: 3 College/1 H.S.

An introductory course in accounting fundamentals and procedures. Includes capturing and analyzing business data and financial statement preparation.

***BUS 102 - Introduction to Business**

Credits: 3 College/1 H.S.

An overview of the ever-changing world of business. Provides information in the areas of ownership, management, marketing, insurance, economic systems and finance, as well as the role of government.

BUS 148 - Small Business Management

Credits: 3 College/1 H.S.

Examines introductory business applications and strategies needed to start and operate a small business. Topics include entrepreneurship preparation, idea feasibility, business plan content, introductory marketing, and management and finance concepts for small business.

BCA 212 –Intro Computer Business Applications

Credits: 3 College (includes lab)/1 H.S.

The focus of this course is to use computer hardware and software as business productivity tools. Training includes a hands-on introduction to computer applications vital in today's business and industry. Course covers operating system, e-mail, internet, word processing, spreadsheet, database and presentation applications.

CRJ100 – Intro to Criminal Justice

Credits: 3 College/1 H.S.

An in-depth examination of the three components of the criminal justice system and the roles they play in society.

CRJ111 –Police and Society

Credits: 3 College/1 H.S.

An examination of the role of the police and corrections in American society, and a discussion of prominent issues. The course will examine the various eras of policing and correctional agencies. The structure and style of various policing and correctional agencies will also be covered. Agency application of internal and ethical issues including use of force will be examined. Strategies and policies to improve policing and correctional work environment will also be discussed.

DRA101 – Intro to Theatre

Credits: 3 College/1 H.S.

A survey of the elements and techniques of theatre with emphasis on acting, directing and playwriting. Attendance at dramatic production encouraged.

ECE 103 – Intro to Early Childhood Ed

Credits: 3 College/1 H.S.

Gives students a historical and philosophical foundation of the field of early childhood education. Includes an overview of assessment and trends that influence best practices. Explores careers in the field. Addresses influences of families and diversity.

ECE 133 – Child Health, Safety and Nutrition**Credits:** 3 College/1 H.S.

Provision of a safe and healthy environment for young children in a group setting. Specifically covered are nutrition analysis, menu planning, indoor and outdoor safety principles and assessments, health assessments and policies, and the care of children with chronic health problems.

ECN 120 – Principles of Macroeconomics**Credits:** 3 College/1 H.S.

This course is an introduction to basic macroeconomic concepts and principles. It deals with problems of resource allocation, supply and demand, national income, employment, price levels, fiscal and monetary policy, money and banking systems and elements of global finance. ECN 120 is not a prerequisite for ECN 130.

ECE 130 – Principles of Microeconomics**Credits:** 3 College/1 H.S.

Course covers survey of demand and supply conditions, cost structure, market structure and how these elements affect individual household, business firms, government and global trade. ECN 120 is not a prerequisite for ECN 130.

ENG 105 - Composition I**Credits:** 3 College/1 H.S.

Designed to help students read and write effectively. Exploration of the relationship of audience to writer and material. Emphasis on developing concrete detail to support main ideas. Prerequisite: Satisfactory writing skills

ENG 106 - Composition II**Credits:** 3 College/1 H.S.

Expository and persuasive writing developed through critical reading. The course explores structure, style, research and documentation. Prerequisite: ENG 105

FIN 121 - Personal Finance**Credits:** 3 College/1 H.S.

This course emphasizes family financial planning including financial statements, budgeting, taxes, risk management and retirement.

GEO 111 – Intro to Geography**Credits:** 3 College/1 H.S.

This course utilizes the basic concepts of cultural geography (area, landscape, ecology, diffusion and integration) in a systematic examination of the contemporary world. The course is intended to provide an elementary acquaintance with the field of geography.

HIS 112 - West Civ: Ancient to Early Mod**Credits:** 4College/1 H.S.

The student surveys the great civilizations from Greece and Rome through the rise of Christianity, to Europe in the Middle Ages, the Renaissance and Reformation, the modern state, the new science and the secular outlook, parliamentary government in England and political absolutism in France and Eastern Europe.

HIS 113 - West Civ: Early Modern to Pres**Credits:** 4 College/1 H.S.

Survey of political, economic, social and intellectual developments from the 18th century to the present. Enlightenment, revolutions and reactions, national unifications, national rivalries, world wars and post-war developments.

HIS 150 - U.S. History to 1877**Credits:** 4 College/1 H.S.

A survey of main themes of American history from 1492 to 1877 with emphasis on the political, social, economic, religious and intellectual aspects of the pre-settlement, Colonial, Revolutionary, Antebellum Civil

War and Reconstruction eras.

HIS 153 - U.S. History since 1877

Credits: 4 College/1 H.S.

A survey of main themes of American history from 1877 to the present with emphasis on political, social, economic, religious and intellectual aspects of the Gilded Age, the Progressive Era, WWI, the Roaring Twenties, the Great Depression, WWII and post WWII Era.

HSC 120 - Medical Terminology I

Credits: 3 College/1 H.S.

Builds a medical vocabulary through an understanding of anatomic roots for words denoting body structures, prefixes, suffixes and body functions.

HSC 121 - Medical Terminology II

Credits: 3 College/1 H.S.

Continues to build a medical language vocabulary by studying body systems such as musculoskeletal, endocrine, nervous and integumentary systems. Prerequisite: HSC 120 with a grade of "C-" or better.

***HUM 116 – Encounters in Humanities**

Credits: 3 College/1 H.S.

An interdisciplinary course exploring the human condition through literature, painting, sculpture, architecture, music and dance. The course examines the cultural context of individual works and movements, the thematic relationships between the arts and the relevance of the arts in our lives today.

LIT 101 - Intro to Literature

Credits: 3 College/1 H.S.

Introduction to the study and appreciation of poetry, fiction and drama. Basic critical approaches are emphasized, and a broad range of authors from a variety of cultural and ethnic groups and a wide span of historical periods is presented.

MAT 110 – Math for Liberal Arts

Credits: 3 College/1 H.S.

The student will begin to think critically by studying logic, sets and statistical reasoning. The student will examine problem solving and decision making by studying probability, application of statistical data, modeling, and financial mathematics. The student will become aware of possible abuses of mathematics. Finally the student will understand the broad usefulness of mathematics by studying history of mathematics and application of mathematics in art, music, business and/or politics. Prerequisite: 1 year of high school algebra or MAT 064

MAT 141 - Finite Math

Credits: 4 College/1 H.S.

A general education course in practical mathematics for those students not majoring in mathematics or science. This course will include such topics as set operations and applications, methods of counting, probability, systems of linear equations, matrices, geometric linear programming and an introduction to Markov chains. Prerequisite: One year H.S. Algebra or MAT 063.

MAT 157 - Statistics

Credits: 4 College/1 H.S.

Tabular and graphical presentation, measures of central tendency and variability, standard elementary procedures involving the binomial, normal, student's T, chi-square and F distributions, correlation, regression, analysis of variance and several nonparametric procedures. Students will not receive credit for both MAT 157 and BUS 211 Prerequisite: Two years H.S. Algebra, department permission or MAT 073.

MAT 211 - Calculus I

Credits: 4 College/1 H.S.

Introduction to limits, continuity, differentiation, applications of the derivative, the definite and indefinite integral,

numerical integration, exponential and logarithmic functions, other transcendental functions and introduction to differential equations. Prerequisite: Minimum ALEKS scores of 76% or MAT 121 and MAT 130 both with a grade of C- or higher or MAT 129 with a grade of C- or higher.

MKT110 – Principles of Marketing

Credits: 3 College/1 H.S.

Marketing effectively and efficiently results in better customer loyalty, higher share of customers, relief from margin erosion, and higher customer satisfaction. Explore strategies used to get, keep, and grow customers. Theoretical concepts blend with real world applications in the areas of planning, decision-making, consumer behavior, ethics, product, price, distribution, promotion, service and international marketing.

MKT140 - Selling

Credits: 3 College/1 H.S.

Emphasizes the "consultative style" of personal selling. Covers the importance of establishing good relationships, finding prospect needs, providing a solution to these needs, and closing a high percentage of sales interviews.

PHI101 – Introduction to Philosophy

Credits: 3 College/1 H.S.

Exploration of basic questions in epistemology, metaphysics and ethics. Emphasis on western philosophy tradition.

PHI105 – Introduction to Ethics

Credits: 3 College/1 H.S.

Comparative study of different traditional moral theories. Application of moral theories to different contemporary moral problems.

PEH190 – Sports Nutrition

Credits: 2 College/1 H.S.

Basic principles of human nutrition and nutritional needs for athletes and/or physically active populations. Issues discussed include ergogenic aids, carbohydrate loading/ manipulation, eating disorders, protein supplements and hydration. Practical application will include dietary analysis and composition for people in various activities and conditions.

POL 111 – American National Government

Credits: 3 College/1 H.S.

A study of the American political system and how and why the citizenry relate to the government as they do. Emphasis is placed upon the organization and functioning of the presidential, legislative and judicial subsystems.

***PSY 111 - Introduction to Psychology**

Credits: 3 College/1 H.S.

A survey of psychology including theoretical and experimental findings and applications from areas such as neurobiology, learning, memory, personality, social, abnormal, and therapy.

PSY 121 - Developmental Psychology

Credits: 3 College/1 H.S.

The study of factors that affect human development from conception to death, with emphasis on topics such as physical, cognitive, and social changes, methods of study and current issues.

***SOC 110 - Introduction to Sociology**

Credits: 3 College/1 H.S.

The study of human interaction, groups and society. Topics included are culture, socialization, organizations, deviance, inequality, institutions, health, population, ecology, social change and research methods.

SOC 115 – Social Problems

Credits: 3 College/1 H.S.

An analysis of the nature, dimensions, causes, and characteristics of selected social problems of major interest. Consideration is given to theories, research and programs for prevention and treatment.

****These courses are part of the DMACC Cohort Advantage Program. The DMACC Cohort Advantage Program is a unique partnership between DMACC and Collins-Maxwell High School which allows CM students begin a Liberal Arts Associates***

degree. Students will take courses in a cohort group, all in the same section with the same instructor.

Iowa Online AP Academy (IOAPA)

The University of Iowa's Belin-Blank Center for Gifted Education has made a concerted effort since 2001 to bring AP® and advanced learning opportunities to all high schools in Iowa. IOAPA seeks to enhance advanced course offerings in the state of Iowa through providing Iowa students who are in schools without a traditional AP® course the opportunity to enroll in online AP® coursework through Apex Learning without paying the \$350/student course fee. IOAPA also provides Iowa students with access to the AP® Exam Review at no cost. Juniors may register for one online course per semester. Seniors may register for two online courses per semester. ***Schools are eligible to register for an Iowa Online AP Academy course if the course is not currently offered within the school district (or, in the case of middle school students, if the course is not offered at the student's grade level).***

AP Biology

Credits: 2 H.S.

AP Biology builds students' understanding of biology on both the micro and macro scales. After studying cell biology, students move on to understand how evolution drives the diversity and unity of life. Students will examine how living systems store, retrieve, transmit, and respond to information and how organisms utilize free energy. The equivalent of an introductory college-level biology course, AP Biology prepares students for the AP exam and for further study in science, health sciences, or engineering.

AP Computer Science A (Java)

Credits: 2 H.S.

Students will learn to design and implement computer programs that solve problems relevant to today's society, including art, media, and engineering. AP Computer Science A teaches object-oriented programming using the Java language and is meant to be the equivalent of a first semester, college-level course in computer science. It will emphasize problem solving and algorithm development, and use hands-on experiences and examples so that students can apply programming tools and solve complex problems. This course will prepare students for the end-of-course AP Exam.

AP Computer Science A Principles

Credits: 2 H.S.

AP Computer Science Principles is a complete, full-year course developed in partnership with the University of Texas at Austin's UTeach Institute that focuses on the 7 "Big Ideas" in computer science using project-based approaches. The course introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity, and how computing impacts our world. Students will develop the computational thinking skills needed to fully exploit the power of digital technology and help build a strong foundation in core programming and problem-solving.

1. *Engaging Students New to Computer Science:* The course is designed to engage students from diverse backgrounds and those new to computing – and excite students with a curriculum that focuses on the core ideas that shape the landscape of computer science and its impact on our society.
2. *Project-Based and Collaborative Learning Approach:* Using project-based lessons and materials throughout, students will work to address real-world problems and design solutions to put computational thinking into practice. These culminate in a capstone Performance Task project where students can demonstrate what they've learned - to become creators, instead of merely consumers, of the technology all around them.

This course will prepare students for the end-of-course AP Exam.

AP English Literature and Composition

Credits: 2 H.S.

AP English Literature and Composition immerses students in novels, plays, poems, and short stories from various periods. Students will read and write daily, using a variety of multimedia and interactive activities,

interpretive writing assignments, and class discussions to assess and improve their skills and knowledge. The course places special emphasis on reading comprehension, structural and critical analysis of written works, literary vocabulary, and recognizing and understanding literary devices. The equivalent of an introductory college-level survey class, this course prepares students for the AP exam and for further study in creative writing, communications, journalism, literature, and composition.

AP Environmental Science

Credits: 2 H.S.

AP Environmental Science provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course draws upon various disciplines, including geology, biology, environmental studies, environmental science, chemistry, and geography in order to explore a variety of environmental topics. Topics explored include natural systems on Earth; biogeochemical cycles; the nature of matter and energy; the flow of matter and energy through living systems; populations; communities; ecosystems; ecological pyramids; renewable and nonrenewable resources; land use; biodiversity; pollution; conservation; sustainability; and human impacts on the environment. The equivalent of an introductory college-level science course, AP Environmental Science prepares students for the AP exam and for further study in science, health sciences, or engineering.

AP Macroeconomics

Credits: 2 H.S.

AP Macroeconomics students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. They'll also examine how individuals, institutions, and influences affect people, and how those factors can impact everyone's life through employment rates, government spending, inflation, taxes, and production. The equivalent of a 100-level college-level class, this course prepares students for the AP exam and for further study in business, political science and history.

AP Microeconomics

Credits: 2 H.S.

AP Microeconomics studies the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students will learn why the same product costs different amounts at different stores, in different cities, at different times. They'll also learn to spot patterns in economic behavior and how to use those patterns to explain buyer and seller behavior under various conditions. Microeconomics studies the economic way of thinking, understanding the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in promoting a healthy economy. The equivalent of a 100-level college course, AP Microeconomics prepares students for the AP exam and for further study in business, history, and political science.

AP U.S. Government

Credits: 2 H.S.

AP U.S. Government and Politics studies the operations and structure of the U.S. government and the behavior of the electorate and politicians. Students will gain the analytic perspective necessary to critically evaluate political data, hypotheses, concepts, opinions, and processes. Along the way, they'll learn how to gather data about political behavior and develop their own theoretical analysis of American politics. They'll also build the skills they need to examine general propositions about government and politics, and to analyze the specific relationships between political, social, and economic institutions. The equivalent of an introductory college-level course, AP U.S. Government and Politics prepares students for the AP exam and for further study in political science, law, education, business, and history.