

Dallas Center-Grimes High School



Course Registration Book 2017-18

Course Name Changes

Old Course Name

Microsoft Office I
Microsoft Office II

New Course Name

Business Computer Applications
Multimedia Marketing Applications

Graduation Requirements by Department

- - English/Language Arts - 8 credits required - -

Required courses:

English I	2 credits
English II	2 credits
English III	2 credits
Speech or Advanced Speech	1 credit each

Additional Elective:

- AP English Language & Composition
- College Prep English
- Creative Writing
- College Literature
- Novels
- Applied English and Communication

- - Social Studies - 6 credits required - -

(Must take one course from each of the following groups)

Group 1: (<i>History</i>)	US History	2 credits
	AP US History	2 credits
Group 2: (<i>Geography</i>)	West. Civ: Foundations to Renaissance	1 credit
	West. Civ: Age of Exploration to Today	1 credit
	World Geography	1 credit
	AP World History	2 credits
Group 3: (<i>Civics</i>)	American Government	1 credit
	AP US Govt & Politics	1 credit
Group 4: (<i>Economics</i>)	Economics	1 credit
Group 5: (<i>Behavioral Sciences</i>)	Recent History	1 credit
	Current Issues	1 credit
	Sociology	1 credit
	Psychology	1 credit
	AP Psychology	1 credit

- - Math - 6 credits required - -

(Must take one course from each of the following groups)

Group 1:	Algebra	2 credits
	Ext Algebra 1 & II	4 credits (must complete all 4 credits)
Group 2:	Geometry	2 credits

	Technical Math	2 credits
Group 3:	Algebra II	2 credits
	Essential Math	1 credit

Additional Electives:

- AP Calculus AB
- AP Calculus BC
- AP Statistics
- Statistics
- Calculus
- Financial Literacy I
- Financial Literacy II
- Probability & Statistics
- Trigonometry/PreCalculus

- - Science - 6 credits required - -

(Must make one choice from each of the following groups)

	For graduating classes of 2018, 2019	For graduating class of 2020 and beyond
		** Recommended changes starting 2016-17
Group 1:	Integrated Science (1 credit)	Integrated Science (1 credit)
Group 2:	Cellular Biology (1 cr.) <u>and</u> Diversity of Life (1 cr.) Cellular Biology (1 cr.) <u>and</u> AP Env. Science (2 cr.) AP Biology (2 credits) Biology (2 credits)	Biology (2 credits) AP Biology (2 credits)
Group 3:	Foundations of Physics & Engineering Physics AP Physics I	Foundations of Physics & Engineering Physics AP Physics I
Group 4:	Chemistry AP Chemistry	Chemistry AP Chemistry

Additional Electives:

- Anatomy and Physiology (11-12)
- Ag Science I & II (10-12)
- Horticulture I & II (11-12)
- AP Environmental Science (10-12)
- AP Physics II (12)

- - Physical Education _____ 0.25 credit per semester enrolled

- - Health _____ 1 credit

Graduation Requirements (Board Policy 505.4)

No student shall graduate from the Dallas Center-Grimes Community High School until satisfactorily completing 48 credits. Dallas Center-Grimes High School will recognize all credits from an approved high school for use in graduation. One credit is awarded for a class that meets five days a week for one period. To be eligible for graduation, a student must successfully complete the above required courses.

The following is a brief synopsis of each class.

College Core/Non-Core: The NCAA and many colleges look mainly at core classes for admissions, GPA and requirements. College Core consists of English, Math, Science, Social Studies and Foreign Language classes at a

particular level. All of our classes in these areas that meet these requirements will have a code of college core. All other classes in these areas will be coded non-college core.

LANGUAGE ARTS COURSE DESCRIPTIONS

ENGLISH II: 7021, 7022

Prerequisite: English I (COLLEGE CORE)

GRADE 10 2 CREDITS YEAR-LONG

English II provides the student with opportunities to improve written expression and focus on American literature. Different types of writing as well as different ways of communicating through technology will receive major emphasis, with focus on the writing process, grammar and mechanics, structure and development of sentences and paragraphs. The Six Traits of Writing will be the framework for this instruction and assessment. Literature in this course will touch on all major genres while assessing the contributions of authors of different ethnicities in America.

ENGLISH III: 7031, 7032

Prerequisite: English II (COLLEGE CORE)

GRADE 11 2 CREDITS YEAR-LONG

English III continues to explore the Six Traits of Writing, while elevating the skills and competencies of students to a level necessary in modern society. The students will be exposed to and will analyze many different genres of literature from a variety of cultures, time periods and philosophies. Through this combination of writing and reading, the student will be able to examine truths and beliefs which will support the development of each student's individual philosophies as he/she interprets and evaluates the different readings, and responds and reacts to them through his/her writing. Vocabulary and literary terms, along with their application, are heavily integrated into this curriculum. This course will prepare a college-bound student well for further explorations in subsequent classes such as English IV, College Literature and/or AP Composition.

COLLEGE PREP ENGLISH: 7034

Prerequisite English III, and post-secondary plan to attend 2 or 4 year college: (COLLEGE CORE)

GRADE 12 1 CREDIT SEMESTER

This senior-level English course is structured to provide the student with a final opportunity to explore new dimensions of his/her creativity, to allow free reign of his/her imagination in both creative and expository writing, and to encourage a mature approach to the development of writing skills before attending college. Throughout the semester, instructional sequence will offer the student a self-contained grammar review for those who desire a final "refresher" course. The course is also organized to introduce the student to more complex and more advanced writing, reading, and speaking concepts he or she may face in college and the work field. A student may opt to take this course either first or second semester. Overall, the course will provide the student with a thorough background for successful post-secondary study.

SPEECH: 7100

(COLLEGE CORE)

GRADES 11-12 1 CREDIT SEMESTER

To be a success in any walk of life, a person must be able to communicate with others. In speech class, special emphasis is placed on communication skills and developing the necessary qualities of a good speaker and listener. Areas of study include speechmaking, expository speaking, oral interpretation, persuasive speaking, job interviews, and impromptu speaking. A strong emphasis is placed on verbal and nonverbal communication. This is a required, one semester course.

ADVANCED SPEECH: 7150

Prerequisites: English I, English II, and English III (COLLEGE CORE)

GRADE 12 1 CREDIT SEMESTER

This elective will fulfil the one-semester speech requirement for graduation. This course explores the fundamentals of speech-communication through the study and practice of interpersonal and small group communication and the composition and delivery of various speeches given in and out of the classroom. Advanced Speech addresses the history of rhetoric, communication theory, and stresses the importance of critical research to support both writing and speaking skills. **This class is offered as a concurrent credit class with DMACC's Fundamentals of**

Speech 101. A student who finishes this course will receive 3 DMACC college credits with the letter grade they earn.

AP ENGLISH LANGUAGE & COMPOSITION: 13619, 13620

Prerequisite English III; or teacher approval (COLLEGE CORE)

GRADE 12 2 CREDITS YEAR-LONG

AP English Language & Composition I, II is a two-semester course that introduces seniors to college writing. In AP English Language & Composition I students will research contemporary, relevant themes by reading from a variety of sources. Students will then construct and revise a series of written pieces, primarily persuasive but not excluding expository. Students will practice effective reading and research techniques that will include computer-based research skills. Writing will be practiced as a recursive process; reading will be an active part of the writing process. Seniors in AP English Language & Composition II will continue to develop the skills taught in AP English/Language & Composition I with a focus on analyzing rhetorical patterns and theoretical approaches in published texts; applying concepts and/or techniques from primary and/or secondary sources in a new context; and identifying language nuances. These two semesters of senior composition should provide the college bound student with a thorough background for successful post-secondary study. **This class prepares students for the AP exam and those scoring a 3, 4 or 5 may receive college credit. Students are responsible for the exam fee. Students who take the AP exam will receive a weighting of one point on their GPA. This class is offered as a concurrent credit class with DMACC's English 105 and English 106. A student who finishes this course will receive 6 DMACC credits.**

COLLEGE LITERATURE 101: 16901

Prerequisite 3.5 GPA or ACT of 20 or teacher approval (COLLEGE CORE)

GRADES 11-12 1 CREDIT SEMESTER

Literature 101 is an English elective offered to juniors and seniors. Literature 101 focuses on the study and appreciation of poetry, fiction, and drama. This is a reading class and will not take the place of advanced grammar and writing. Basic critical approaches to interpreting literature are emphasized, and students will focus on a broad range of authors from a variety of cultures and a wide span of historical periods. Students are expected to have a firm understanding of standard grammar and usage and be able to write in response to literature. **This class is offered as a concurrent credit class with DMACC's Introduction to Literature 101, and students earning a C-or higher will receive 3 DMACC college credits.**

CREATIVE WRITING: 7051

(NON-COLLEGE CORE)

GRADES 10-12 1 CREDIT SEMESTER

Students will produce a variety of writing, to include poetry, drama, short stories, lyrics, and personal narratives. Students will be reading and discussing a wide range of writing in order to inform their own work. Students will complete creative writing exercises in order to enhance their abilities as creative writers. Class time will be spent alternating between structured discussion, reading, and writing activities and writer's workshop designed to give students time to write and receive feedback from the instructor and peers. Students will publish a selection of their work in a class anthology at the end of the semester.

NOVELS: 7050

(COLLEGE CORE)

GRADES 11-12 1 CREDIT SEMESTER

Novels is a literature elective, a one semester English course, offered to 11th-12th grade students. This course is designed to allow the study of a variety of novels in an independent, individualized setting. Projects and activities are tailored to the specific type of novel. Literary Circles and video author reports are given as well. This course is for students who function well in an independent work setting. One English literature credit is earned by completing this course.

APPLIED ENGLISH and COMMUNICATION: 7036

Prerequisites: English II, English III, and Speech (NON-COLLEGE CORE)

GRADE 12 1 CREDIT SEMESTER

This senior-level English course is designed for students who plan to attend a vocational school or go directly into the workplace upon graduation. The goal of this class is to sharpen speaking, reading, writing, and listening skills that will be used in life beyond high school. Being able to communicate with peers in college or at work is essential to becoming successful in either post-secondary plan. Curriculum will focus on practicing and improving writing and speaking and includes topics like: personal organizational skills, daily language practice, business writing, listening skills, reading and interpreting graphs and charts, interpreting and giving directions, summarizing and paraphrasing. PowerPoint and brochure production, job searching/resume writing/interviewing, group dynamics, business etiquette, and public speaking.

MATHEMATICS COURSE DESCRIPTIONS

GEOMETRY: 4003, 4004

(COLLEGE CORE) 2 CREDITS YEAR-LONG

Develop an understanding of deductive reasoning, which is the basis of any further work in mathematics. The most important thing gained is the ability to reason logically. Other major topics include: area, volume, and surface areas, properties of parallel and perpendicular lines, properties of polygons, transformations of shapes and graphs, and basic right triangle trigonometry.

TECHNICAL MATH: 4131, 4132

(NON-COLLEGE CORE) 2 CREDITS YEAR-LONG

A course in mathematical skills for technicians and especially helpful for those that are pursuing a vocational career.

Topics will vary from simple math skills to algebra, geometry, and some trigonometric concepts. Successful completion can earn students 3 hours of DMACC credit. The course is designed for students who have completed Algebra I and have not yet taken Geometry, or for students that want to enhance applied geometric skills. **This class is offered as a concurrent credit class with DMACC's MAT 772. A student who finishes this course will receive 3 DMACC college credits with the letter grade they earn.**

ALGEBRA II: 4043, 4044

(COLLEGE CORE) 2 CREDITS YEAR-LONG

Algebra II is an in-depth continuation of Algebra, which develops the skills attained in Algebra I, and introduces many new topics such as: logarithms, quadratics, conics, radicals, introduction to trigonometry, and probability. The emphasis is on a thorough understanding of number properties and skill in working with mathematical concepts.

ESSENTIAL MATH: 4061

(NON-COLLEGE CORE)
GRADES 11-12 1 CREDIT SEMESTER

Essential Math is a continuation of Algebra, which develops the skills attained in Algebra I, and introduces many new topics such as: logarithms, quadratics, conics, radicals, trigonometry and statistics. The emphasis is on a better understanding of number properties and skill in working with mathematical concepts.

TRIGONOMETRY/PRE-CALCULUS: 4103, 4104

Prerequisite: Algebra II
(COLLEGE CORE) 2 CREDITS YEAR-LONG

Work with oblique triangles, complex numbers, inverse functions, logarithms, and circular functions. The course will integrate algebraic and geometric discipline into a united body of material. This course also includes an in-depth study of trigonometry and pre-calculus. Research shows that students that complete Trigonometry are twice as likely to be successful in college.

FINANCIAL LITERACY: 4111

(NON-COLLEGE CORE)
GRADES 11-12 1 CREDIT SEMESTER

A look at financial choices and decisions students will have to face in their lives. Students will gain the knowledge to make better decisions regarding their financial future. Some of the major topics that will be covered include

insurance, banking needs, financial planning, taxes, credit cards, home buying and associated costs, and balancing a budget. This class is designed for all levels of students.

FINANCIAL LITERACY II: 4112

(NON-COLLEGE CORE)

Prerequisite: Financial Literacy I

GRADES 11-12 1 CREDIT SEMESTER

This class will go deeper into topics such as investing and insurance. We will also cover major topics such as financial life after high school and cost involved, and how money affects relationships, careers and taxes, and bargain shopping.

CALCULUS: 4013, 4014

Prerequisite: Trig./Pre-Calculus

(COLLEGE CORE) 2 CREDITS YEAR-LONG

To work with mathematics designed for use for students in engineering, economics, earth sciences, mathematics and physical sciences. The students will learn how to work with limits, functions, derivatives, application of derivatives, integrations, and polar equations. Calculus is recommended to college bound students going into the fields mentioned above.

AP CALCULUS-AB: 4023, 4024

Prerequisite: Trig./Pre-Calculus

(COLLEGE CORE) 2 CREDITS YEAR-LONG

Students taking this course will work with mathematics designed for use in engineering, economics, earth science, mathematics and physical sciences. This course includes the study of elementary functions, limits, continuity, and derivatives, integrals and the application of derivatives and integrals. This course is designed to be taken after Trig/Pre-Calculus. Calculus is not a prerequisite for this course. **This class prepares students for the AP exam and those scoring a 3, 4, or 5 may receive college credit. Students taking the AP exam will receive a weighted grade.**

AP CALCULUS-BC: 4028, 4029

(COLLEGE CORE)

Prerequisite: AP Calculus AB

GRADES 11-12 2 CREDITS YEAR-LONG

In this course, students will explore the key concepts, methods, and applications of single-variable calculus including all of the AP Calculus AB topics, as well as additional topics in differential and integral calculus, such as parametric, polar and vector functions and series. Students will learn problem solving methods that can apply across real-world problems. Students will also use technology to explore, experiment, interpret results, and support conclusions. **This class prepares students for the AP exam and those scoring a 3, 4, or 5 may receive college credit. Students taking the AP exam will receive a weighted grade.**

PROBABILITY & STATISTICS: 4125

Prerequisite: Algebra II

(COLLEGE CORE) 1 CREDIT SEMESTER

Stats will cover the following topics: 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.

AP STATISTICS: 4121, 4122

Prerequisite: Algebra II

(COLLEGE CORE) 2 CREDITS YEAR-LONG

AP Stats is designed to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Four broad themes will be the focus: 1) Exploring Data; 2) Sampling; 3) Anticipating Patterns; and 4) Statistical Inference. **This class prepares students for the AP exam and those scoring a 3, 4, or 5 may**

receive college credit. Students taking the AP exam will receive a weighted grade.

SCIENCE COURSE DESCRIPTIONS
Science Pathways

	Path 1 Minimum for graduation	Path 2 Traditional College Preparation	Path 3 Preparation for college science majors*	Path 4 Preparation for health science majors**
Freshman	Integrated Science (1 sem) Foundations of Physics and Engineering (1 sem)	Integrated Science (1 sem) Foundations of Physics and Engineering (1 sem)	Integrated Science (1 sem) Biology (2 sem)	Integrated Science (1 sem) Foundations of Physics and Engineering (1 sem)
Sophomore	Biology (2 sem)	Biology (2 sem)	Chemistry (2 sem)	Chemistry (2 sem)
Junior	Chemistry (1 sem) Elective (1 sem)	Chemistry (2 sem)	AP Physics (2 sem) AP Electives	AP College Biology ***AP Electives
Senior		Physics (2 sem) AP Electives	AP Electives	Anatomy and Physiology ***AP Electives

Electives: Physics, Anatomy and Physiology, Ag Science

AP Electives: AP Biology, AP Physics, AP Chemistry, AP Environmental Science

Note: Only the first semester of Chemistry is required for graduation. However, most colleges require four full semesters of lab sciences for acceptance (Biology, Chemistry, Physics)

***College science majors:** This path best prepares students that are looking to major in physical sciences like Chemistry, Physics, and Engineering

****Health science majors:** This path best prepares students that are looking at majors in the health field and life sciences such as pre-med, biology, chiropractic care, and nursing

*******It is strongly suggested that students looking at pre-med take AP Physics and AP Chemistry

BIOLOGY: 5033,5034

(COLLEGE CORE)

GRADES 10

2 CREDITS

YEAR-LONG

This course is an integrated life science course that includes a range of topics from interactions of organisms to their cellular structure and function. (AP Biology may be substituted)

AP BIOLOGY: 14519, 14520

(COLLEGE CORE)

Prerequisite: Chemistry

GRADES 11-12

2 CREDITS

YEAR-LONG

This class is a college level course designed for college freshmen. Each college has its own standard for the college credit allowed for this course. With AP Biology being taught as a college course, it requires students to engage in self-study of the textbook and continuous reading on a daily basis. The class is taught at a brisk pace and students are expected to spend a significant amount of time outside of class to learn, understand, and study the material. Units covered in AP Biology include: the chemistry of life, cells, bioenergetics, cell reproduction and heredity, genetics, evolution, diversity of organisms, structure and function of plants and animals, and ecology.

This class prepares students for the AP exam and those scoring a 3, 4 or 5 may receive college credit.

Students are responsible for the exam fee. Students who take the AP exam will receive a weighting of one point on their GPA.

CHEMISTRY: 5073, 5074

(COLLEGE CORE)

Prerequisite: Algebra I

GRADES 10-12

2 CREDITS

YEAR-LONG

Deals with the structure and composition of matter and the changes in composition, which these materials undergo. Students perform various experiments in the laboratory.

(Due to the math involved in this class, a "C" or above is recommended in Algebra I.)

AP CHEMISTRY: 5103, 5104

(COLLEGE CORE)

Prerequisite: Chemistry, Algebra II

GRADES 11-12 2 CREDITS YEAR-LONG

Deals with the structure and composition of matter at a college level. Students perform various laboratory experiments to better understand materials present. Recommended for students that have a strong desire to go into a science/medicine related fields. **This class prepares students for the AP exam and those scoring a 3, 4, or 5 may receive college credit. Students are responsible for the exam fee. Students who take the AP exam will receive a weighting of one point on their GPA.**

PHYSICS: 5063, 5064

(COLLEGE CORE)

Concurrent enrollment of Algebra II or higher

Grades 11-12 2 CREDITS YEAR-LONG

Introductory Physics course that uses graphical problem solving techniques to evaluate and predict solutions in motion, forces, mechanics, kinematics, electrostatics and circuits, and waves and sound. Various labs are used to gather data in order to model and problem solve real world physical situation.

AP PHYSICS I: 5061, 5062

(COLLEGE CORE)

Prerequisite: Concurrent enrollment in Trig/Pre-Calc or higher

GRADES 10-12 2 CREDITS YEAR-LONG

AP Physics I is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.

This class prepares students for the AP exam and those scoring a 3, 4, or 5 may receive college credit.

Students are responsible for the exam fee. Students who take the AP exam will receive a weighting of one point on their GPA.

AP PHYSICS II: 5065, 5066

(COLLEGE CORE)

Prerequisites: AP Physics I or comparable introductory course

GRADES 11-12 2 CREDITS YEAR-LONG

AP Physics II is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; pressure/volume diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic field; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. **This class prepares students for the AP exam and those scoring a 3, 4, or 5 may receive college credit. Students are responsible for the exam fee. Students who take the AP exam will receive a weighting of one point on their GPA.**

ANATOMY & PHYSIOLOGY: 5123, 5124

(COLLEGE CORE)

Prerequisite: Chemistry, Biology, and Cell Biology/Diversity of Life or AP Biology

GRADES 11-12 2 CREDITS YEAR-LONG

This course is a classic integration of human anatomy and physiology at the cellular level and organ/system level. Students will learn the main structures and functions of the eleven body systems, as well as how the body systems work together to function as a whole organism. Includes mink dissection.

AP ENVIRONMENTAL SCIENCE: 5013, 5014

(COLLEGE CORE)

GRADES 10-12 2 CREDITS YEAR-LONG

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. **This class prepares students for the AP**

exam and those scoring a 3, 4, or 5 may receive college credit. Students are responsible for the exam fee. Students who take the AP exam will receive a weighting of one point on their GPA.

AGRISCIENCE I: 3013

Not required to be taken in sequence

GRADES 10-12 1 CREDIT SEMESTER

Courses in this category offer instruction in related topics that are necessary or helpful in agricultural occupations or everyday living. The focus of this course will be to develop knowledge and skills in agriculture as an applied science. Such topics may include: career options in Agricultural Science, Agricultural Science in the information age, leadership development. (FFA), food science, horse management and small animal care and management.

AGRISCIENCE II: 3014

GRADES 10-12 1 CREDIT SEMESTER

Courses in this semester will cover Agriculture Science dealing with the propagation of plants for food and fiber, plant science, home gardening, turfgrass management, and animal science. The greenhouse will be used for experiments and labs with growing plants.

HORTICULTURE I & II: 5113, 5114

GRADES 11-12 2 CREDITS YEAR-LONG

This Course is offered to students interested in gaining knowledge and skills in the many areas of horticulture. Instruction will be provided in basic plant science including plant propagation, production, landscaping, and greenhouse management. The class is to acquaint a person with flower and vegetable gardening, house plant care and identification, Bonsai, and lawn care. The class will be taught using classroom work, along with greenhouse duties mainly consisting of working with growing plants. Field trips will also be a part of this class. We will cover such items as plant propagation, plant nutrients, plant identification, and gardening, along with topics that interest the students.

SOCIAL STUDIES COURSE DESCRIPTIONS

WESTERN CIVILIZATIONS - FOUNDATIONS TO RENAISSANCE: 6051

(COLLEGE CORE)

GRADES 10-12 1 CREDIT SEMESTER

This course will introduce students to the most important events, individuals, and ideas in the history of Western Civilization, from its beginnings to roughly 1500. At the same time, however, it seeks to go further. Over the semester we will focus on a number of important issues, including: the development of civilization; the development of Hebrew monotheism; the rise of ancient Greece; the rise and decline of the Roman Empire; the birth and evolution of Christianity and Islam; medieval politics, culture and society.

WESTERN CIVILIZATIONS - AGE OF EXPLORATION TO TODAY: 6052

(COLLEGE CORE)

GRADES 10-12 1 CREDIT SEMESTER

This course will introduce students to the most important events, individuals, and ideas in the history of Western Civilization, from the Age of Exploration through the remaining Modern Age. Included in our focus will be the colonization of the Americas; the rise of absolute monarchs in Europe; the Enlightenment; the Reformation; Napoleon and the French Revolution; the American Revolution; the Scientific and Industrial Revolutions; the Great War; the Russian Revolution; and World War II and its aftermath.

AP WORLD HISTORY: 6063, 6064

(COLLEGE CORE)

MEETS WORLD GEOGRAPHY REQUIREMENT

GRADES 10-12 2 CREDITS YEAR-LONG

The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts in different types of human societies . This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills . The course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies . It emphasizes relevant factual knowledge, leading interpretive issues, and skills in analyzing types of historical evidence . Periodization, explicitly discussed, forms an organizing principle to address change and continuity throughout the course . Specific themes provide further organization to the course, along with consistent attention to contacts among societies that form the core of world history as a field of study. Students taking this course must be highly motivated and possess a profound interest in historical study; this course requires a time commitment beyond the school day. **This class prepares students for the AP exam and those scoring a 3, 4, or 5 may receive college credit. Students are responsible for the exam fee. Students who take the AP exam will receive a weighting of one point on their GPA.**

WORLD GEOGRAPHY: 6031

(COLLEGE CORE)

GRADES 10-12 1 CREDIT SEMESTER

World Geography is the study of peoples, places, and environments, with a focus on world regions. Physical, cultural, economic and religious characteristics will be surveyed. Emphasis is placed on students' understanding and applying geographic concepts and skills to their daily lives.

US HISTORY: 6003, 6004

(COLLEGE CORE)

GRADE 11 2 CREDITS YEAR-LONG

This is a general survey course in the history of the political, economic, and social development of the United States from Reconstruction Era to the present time.

AP US HISTORY: 6161, 6162

(COLLEGE CORE)

GRADES 11-12 2 CREDITS YEAR-LONG

The AP US History course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. This course prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials—their relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship. An AP US History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format.

Students taking this course must be highly motivated and possess a profound interest in historical study; success in this course requires a time commitment beyond the school day. **This class prepares students for the AP exam and those scoring a 3, 4, or 5 may receive college credit. Students are responsible for the exam fee. Students who take the AP exam will receive a weighting of one point on their GPA.**

ECONOMICS: 6092

(COLLEGE CORE)

GRADES 11-12 1 CREDIT SEMESTER

This course will provide an up-to-date, in-depth look at basic economic principles and practices, study of the American free enterprise system, the role of government in the American economy, the American economic system in relation to the world, and consumer economics. This course should afford students a basic understanding of economic concepts and how the United States economy operates.

AMERICAN GOVERNMENT: 6100

(COLLEGE CORE)

GRADE 12 1 CREDIT SEMESTER

This course is an in-depth study of theory, philosophy, and structure of American Government with emphasis on roles and duties of American citizens and how they reflect American Government. Students will discuss their role in

government as future citizens in our communities, learn how they can participate, and begin to develop their own political beliefs

AP U.S. GOVERNMENT & POLITICS: 6160

(COLLEGE CORE)

GRADE 12 1 CREDIT SEMESTER

AP U.S. Government studies the history, organization, and functions of the United States Government. Beginning with the Declaration of Independence and continuing through to the present day, students will explore the relationship between individual Americans and our governing bodies. Students will take a close look at the political culture of our country, and gain insight into the challenges faced by presidents, congress people, and other political activists. Students will discuss the roles of political parties, interest groups, the media and the Supreme Court, and have the chance to discuss their own views on current political issues. **This class prepares students for the AP exam and those scoring a 3, 4, or 5 may receive college credit. Students are responsible for the exam fee. Students who take the AP exam will receive a weighting of one point on their GPA.**

CURRENT ISSUES: 6080

(COLLEGE CORE)

GRADES 10-12 1 CREDIT SEMESTER

Current Issues will deal with recent history as it relates to young people and the world they live in. The emphasis will be on news events that are currently impacting the state, nation, world and individual. Themes of study may include conflict, global interaction, human rights, natural disasters and current civil liberties and rights. The class will be discussion and project based.

SOCIOLOGY: 6071

(COLLEGE CORE)

GRADES 11-12 1 CREDIT SEMESTER

Sociology is the study of groups and how people interact with one another. The course will illustrate how the groups, or social structures, that one belongs to have a significant influence on the way you think, feel, and behave. Major themes include crime and deviance, inequalities of gender and age, family and marriage, socialization and culture.

PSYCHOLOGY: 6131

(COLLEGE CORE)

GRADES 10-12 1 CREDIT SEMESTER

This course presents a general survey of basic psychological principles and concepts. The primary objective is to help students learn to deal with others and understand various factors that motivate behavior. Some of the topics studied: Historical Background: history & traditions. Cognitive Psychology: learning, memory, thinking. Developmental Psychology: infancy/childhood, adolescence, adulthood. Abnormal Psychology: personality and disorders.

AP Psychology: 6132

COLLEGE CORE

Prerequisite: Psychology or Sociology

GRADE 12 1 CREDIT _____ SEMESTER

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas.

FOREIGN LANGUAGE COURSE DESCRIPTIONS

All classes in this area are College Core

FRENCH I: 11003, 11004

GRADES 9-12 2 CREDITS YEAR-LONG

This course will include conversational French, with emphasis on basic grammatical patterns and beginning vocabulary, using the present tense. Listening, conversation, reading, and writing will be stressed. French speaking countries and customs will also be studied.

FRENCH II: 11013, 11014

GRADES 10-12 2 CREDITS YEAR-LONG

This course is a continuation of French I with the addition of intermediate vocabulary and grammatical patterns. Students will expand vocabulary and learn verb tenses, past, future, etc. Beginning reading selections as well as writing and conversation in the target language will be included. Students will also study customs and countries from non-European French-speaking countries.

FRENCH III: 11023, 11024

GRADES 11-12 2 CREDITS YEAR-LONG

In French III students will review basic and intermediate grammar and vocabulary. Students will continue reading, writing, and speaking in the target language and will learn the subjunctive tense. Conversational and written skills will be stressed. Students will also study customs and countries from non-European French-speaking countries.

FRENCH IV: 11033, 11034

GRADE 12 2 CREDITS YEAR-LONG

In French III and French IV students will review basic and intermediate grammar and vocabulary. Students will continue reading, writing, and speaking in the target language and will learn the subjunctive tense. Conversational and written skills will be stressed. Students will also study customs and countries from non-European French-speaking countries. French IV is a further in-depth study of the language.

SPANISH I: 11043, 11044

GRADES 9-12 2 CREDITS YEAR-LONG

This course will include conversational Spanish, basic grammatical patterns and vocabulary. Listening comprehension, writing, reading and speaking will be stressed. Students will also learn about Spanish speaking countries and their customs. The grammatical focus will be the present tense. The cultural focus will be Mexico, Puerto Rico, Guatemala, Peru and Spain.

SPANISH II: 11053, 11054

GRADES 10-12 2 CREDITS YEAR-LONG

This course is a continuation of Spanish I, with the addition of learning more verb tenses (preterite, imperfect and commands) and expanded vocabulary. Beginning reading selections and the writing of short compositions will be included. The cultural focus will be Central America, the Antilles, the Andes, Columbia and Venezuela, Mexico and influences on the American Southwest.

SPANISH III: 16876, 16904

GRADES 11-12 2 CREDITS YEAR-LONG

In Spanish III students will review the present, preterite and imperfect tenses, formal and informal commands. They will learn the future, conditional, present perfect indicative and subjunctive, pluperfect indicative and the present subjunctive. Students will review and vastly increase their vocabulary. Students will continue reading, writing, and speaking in the Spanish language. Conversational and writing skills are stressed. Cultural focus will be on various countries in the Spanish speaking world. **This course is offered as a concurrent enrollment class through DMACC's FLS 151-152. A student who finishes this course will automatically receive 10 DMACC college credits with the letter grade they earn.**

SPANISH IV: 16877, 16906

GRADE 12 2 CREDITS YEAR-LONG

In Spanish IV, students will learn and/or review the rest of verb tenses – subjunctive, present perfect, present progressive, and past progressive, as well as an introduction and review of the indicative, imperative and subjunctive moods. There will be a large focus on the improvement of speaking skills. We will read and discuss articles and

watch and discuss short films in Spanish. The students will read an abridged version of Don Quijote de la Mancha 1st semester and the novel Esperanza Renace 2nd semester. **This course is offered as a concurrent enrollment class through DMACC's FLS 241-242. concurrent enrollment through DMACC. A student who finishes this course will automatically receive 8 DMACC college credits with the letter grade they earn.**

AP SPANISH: 11078, 11079

Prerequisite: Spanish IV

GRADE 12 2 CREDITS YEAR-LONG

AP Spanish language is designed to help prepare students to demonstrate their level of Spanish proficiency across three communicative modes interpersonal, interpretive, and presentational communication. The course focuses on speaking and writing in Spanish at an advanced level. The students will further accuracy and fluency and will develop an understanding of Spanish intended for native speakers in a variety of settings. The course content reflects a wide variety of cultural topics including current events, the arts, history, literature, and sports. Students are expected to communicate in Spanish. **This class prepares students for the AP exam and those scoring a 3, 4, or 5 may receive college credit. Students are responsible for the exam fee. Students who take the AP exam will receive a weighting of one point on their GPA.**

AGRICULTURE EDUCATION COURSE DESCRIPTIONS

INTRODUCTION TO AGRICULTURE: 3003

GRADES 10-12 1 CREDIT SEMESTER

This is an introductory course designed for any student wishing to gain a general background in the world's largest industry-agriculture. This course surveys a wide array of topics within the agriculture industry, exposing the many and varied types of opportunities in agriculture. Also included is orientation to the FFA Organization and leadership skills and leadership contests. Students will learn through hands on experiences and various labs in the shop, greenhouse and at the 20 acres crop test plot. Students will also be introduced to Animal Science.

INTRO TO ANIMAL MANAGEMENT: 3004

GRADES 10-12 1 CREDIT SEMESTER

Animal Science courses impart information about the care and management of animals and careers. Students may study subjects including beef, buffalo, wildlife animals, and exotic animals; also, small companion animals such as dogs, cats, birds, tropical fish, reptiles, and rodents (hamsters, guinea pigs, gerbils.) Each unit includes breeds, handling, equipment, housing, feeding, diseases and health, body language, grooming, maintenance and marketing. This is a great course to get an introduction to animals.

SURVEY OF THE ANIMAL INDUSTRY: 3035

GRADES 10-12 1 CREDIT SEMESTER

This class will be an in-depth coverage of livestock and small animal care. Topics being studied will be horses, swine, sheep, poultry and rabbits. Also, there will be field trips to places of business in the community. Each unit will include breeds, handling, equipment, housing, feeding, diseases and health grooming, maintenance and marketing. Most units will conclude with a BBQ after studying the different cuts of meat. **This class is offered as a concurrent enrollment class with DMACC's AGS 113 Survey of Animal Industry. A student who finishes this course will receive 3 DMACC college credits with the letter grade they earn.**

AGRISCIENCE I: 3013

Not required to be taken in sequence

GRADES 10-12 1 CREDIT SEMESTER

Courses in this category offer instruction in related topics that are necessary or helpful in agricultural occupations or everyday living. The focus of this course will be to develop knowledge and skills in agriculture as an applied science. Such topics may include: career options in Agricultural Science, Agricultural Science in the information age, leadership development. (FFA), food science, horse management and small animal care and management. **Agriscience I may be used as a Science credit towards graduation.**

AGRISCIENCE II: 3014

GRADES 10-12 1 CREDIT SEMESTER

Courses in this semester will cover Agriculture Science dealing with the propagation of plants for food and fiber, plant science, home gardening, turfgrass management, and animal science. The greenhouse will be used for experiments and labs with growing plants. **Agriscience II may be used as a Science credit towards graduation.**

NATURAL RESOURCES: 3024

GRADES 11-12 1 CREDIT SEMESTER

This course will provide a broad and diverse study in managing our natural resources. Topics this semester will cover natural resource management, soils and water management, fish and wildlife game management, trapping, hunting and fishing laws, forest management and alternative energy minerals and metal resources.

AGRONOMY AND SOIL SCIENCE: 3033

GRADES 11-12 1 CREDIT SEMESTER

The class will spend time most of the first quarter studying Iowa's top crops (corn and soybeans). A lot of the educational time is spent in the test plot behind the school and not just in the classroom. The students will learn how to determine yields, scout crops for weeds and pests, journal changes in the crop, harvesting, and marketing of the crop. Students will conclude the unit with combine rides as we harvest. Students will also learn about GPS System and its many uses in agriculture. The class will also keep record books on the crop and a sales plan. Time will also be spent studying the soil and management. Field trips will be taken during class on the topic being studied. **This class is offered as a concurrent enrolment class with DMACC's AGA 157 Soil Fertility. A student who finishes this course will receive 1 DMACC college credit with the letter grade they earn.**

AGRICULTURE BUSINESS MANAGEMENT: 3034

GRADES 11-12 1 CREDIT SEMESTER

This course will focus on the basics of agricultural business and many general business practices. Topics studied will be agriculture management, goal setting and decision-making, investing, budgeting, record keeping, marketing, taxes, agricultural law, and leadership activities through the FFA. Students will also make decisions on the marketing of the fall crop. Field trips will be taken during class to further learning.

HORTICULTURE I & II: 5113, 5114

GRADES 11-12 2 CREDITS YEAR-LONG

This Course is offered to students interested in gaining knowledge and skills in the many areas of horticulture. Instruction will be provided in basic plant science including plant propagation, production, landscaping, and greenhouse management. The class is to acquaint a person with flower and vegetable gardening, house plant care and identification, Bonsai, and lawn care. The class will be taught using classroom work, along with greenhouse duties mainly consisting of working with growing plants. Field trips will also be a part of this class. We will cover such items as plant propagation, plant nutrients, plant identification, and gardening, along with topics that interest the students. **Horticulture I and II may be used as a Science credit towards graduation.**

ART COURSE DESCRIPTIONS

ART I: 12033

GRADES 9-12 1 CREDIT SEMESTER

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

ART II: 12034

GRADES 9-12 1 CREDIT SEMESTER

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

ART APPRECIATION: 13621

GRADES 10-12 1 CREDIT SEMESTER

This is the recommended course for sophomores, juniors and seniors that have not taken art courses, but want to have a visual art credit. Art Appreciation is an introduction to art history, aesthetics, criticism, & production. This conceptual approach to art allows the student to gain a deeper understanding for visual art and its social importance throughout history, as well as its impact on the student's real world application of art. The course looks at art beginning with the ancient world and concludes with art in today's world. **This class is offered as a concurrent credit class with DMACC's ART 101. A student who finishes this course will receive 3 DMACC college credits with the letter grade they earn.**

CREATIVE ART: 12999

GRADES 11-12 1 CREDIT SEMESTER

This is a comprehensive course that provides students with the knowledge and opportunity to explore an art form and to create individual works of art. It may also provide a discussion and exploration of career opportunities in the art world. The course covers the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art. Creative Art focuses on creation, it may also include the study of major artists, art movements, and styles.

CERAMICS I: 15860

Prerequisite: Art I & II

GRADES 10-12 1 CREDIT SEMESTER

Ceramics I is the introductory level class to ceramic art. Students will explore pinch, coil and slab hand building methods. Emphasis will be placed on the fundamentals of building ware with time also spent on decorating the surface. Students will also investigate 3-D design through additive and subtractive methods of sculpture. **This class is offered as a concurrent credit class with DMACC's ART 173. A student who finishes this course will receive 3 DMACC college credits with the letter grade they earn.**

CERAMICS II: 12102

Prerequisite: Ceramics I

GRADES 10-12 1 CREDIT SEMESTER

Ceramics II is a continuation of Ceramics I. Focus is placed on working with hand building techniques with an expanded surface design component. Students will investigate more sculptural aspects of ceramics and will begin wheel throwing.

DRAWING I: 12071

Prerequisite: Art I & II or Architectural CAD

GRADES 10-12 1 CREDIT SEMESTER

Drawing class covers various techniques, materials, and basics in drawing. In addition, students will be exposed to illustration, design, perspective, the drawing of the human form, and available careers. **This class is offered as a concurrent credit class with DMACC's ART 133. A student who finishes this course will receive DMACC college credit with the letter grade they earn.**

DRAWING II: 12073

Prerequisite: Drawing I

GRADES 10-12 1 CREDIT SEMESTER

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

GRAPHIC DESIGN: 12051

GRADES 10-12 1 CREDIT SEMESTER

Graphic design class covers the artistic side of graphics. With limited use of Adobe computer programs (Photoshop & In-Design), students create projects that are based on design problems used in the field of graphic design; however, this is not a "computer class." Students that develop their skills in Graphic Design can choose to take Graphic Design

2 for a computer credit. **This class is intended for those that wish to pursue a career in graphic design.**

GRAPHIC DESIGN II/YEARBOOK: 12052

Prerequisite: Graphic Design

GRADES 10-12 1 CREDIT SEMESTER

Graphic Design II/Yearbook is an extended look at design problems used in the field of graphic design, as well as yearbook design and construction. Students will look closer at communication through a thematic expression of ideas in print media. Students will build upon their journalistic skills, which include layout design, photo selection, writing, and interviewing. This class is intended for those that wish to pursue a career in graphic design. It is also beneficial for students to have skills in writing/word-processing and photography.

PAINTING I: 14916

Prerequisite: Art I & II

GRADES 10-12 1 CREDIT SEMESTER

Painting I covers various painting media and some historical information. The majority of the class time is spent in production. The students will explore watercolor, acrylics, and other two-dimensional mixed media. **This class is offered as a concurrent credit class with DMACC's ART 143. A student who finishes this course will receive 3 DMACC college credits with the letter grade they earn.**

PAINTING II: 12063

Prerequisite: Painting I

GRADES 10-12 1 CREDIT SEMESTER

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

PRINCIPLES OF DIGITAL PHOTOGRAPHY: 12010

GRADES 11-12 1 CREDIT SEMESTER

Students will be exposed to the basic principles of digital photography. Topics will include camera operation, composition, computer tips and tricks, and shooting tips and tricks. Students are required to have access to a digital camera of their own. **This class is offered as a concurrent credit class with DMACC's ART 186. A student who finishes this course will receive 3 DMACC college credits with the letter grade they earn.**

SCULPTURE I: 12130

Prerequisite: Art I & Art II

GRADES 10-12 1 CREDIT SEMESTER

In this course, students will explore various three-dimensional media and techniques. There will be an emphasis on craftsmanship and ingenuity to plan successful designs. Students will have the opportunity to create abstract and figurative sculptures, using found objects, clay, wood, wire, and natural objects.

INDEPENDENT STUDY ART COURSES

Teacher Approval Required

AP STUDIO ART 2D

Prerequisite: 5 visual art credits and Instructor Approval

GRADES 11-12 2 CREDITS YEAR-LONG

Students will be encouraged to seek experiences in art related fields through a mentor relationship. Students will also develop and evaluate their own artwork to create a portfolio, two-dimensional or three-dimensional works of art. Students who are interested in testing for AP credit, may take this course for two semesters of AP credit. These students may submit a portfolio of their works to the AP boards in May. The portfolios will be in Drawing, Two Dimensional art, or Three Dimensional art. This portfolio should reflect the student's work in this course, previous class work, and/or Art Application. The AP portfolio will take two semesters to develop. **(Students who are planning on taking the course for AP credit would sign up for a full year of AP Studio Portfolio.) This class prepares students for the AP exam and those scoring a 3, 4, or 5 may receive college credit. Students are responsible for the exam fee. Students who take the AP exam will receive a weighting of one point on their GPA.**

APPLIED GRAPHIC DESIGN

Prerequisite: Instructor Approval Independent Study

GRADES 11-12 1 CREDIT SEMESTER

This course is an extended look at design problems, focusing on yearbook design and construction as the primary focus. Layout, photography, business and other areas of the yearbooks production will be learning targets for this class that will require a student to work outside the school day and attend many school events. The development of ideas, design techniques, craftsmanship and originality will be assessed on each job the student creates. This class is intended for those who wish to pursue a career in graphic design. It is also beneficial for students to have skills in writing/word-processing, business classes and/or photography.

CERAMICS III: 12110

Independent Study Prerequisite: Ceramics II

GRADES 10-12 1 CREDIT SEMESTER

Ceramics III is an independent study. This advanced ceramics course allows students to throw on the wheel. Students will also begin to explore hand- building forms, which relate together in a series and more advanced glazing applications.

CERAMICS IV: 12120

Independent Study Prerequisite: Ceramics III

GRADES 11-12 1 CREDIT SEMESTER

Ceramics IV students will be required to write a plan of study which outlines what the students wish to investigate. Students will be required to spend half the semester independently hand building and the other half throwing, applying their plan of study to each discipline. We will also cover the chemistry involved with creating glazes in class.

DRAWING III: 12074

Independent Study Prerequisite: Drawing II

GRADES 11-12 1 CREDIT SEMESTER

Drawing III is an advanced course that focuses on the communication of ideas through the various drawing media. Students will develop a project focus with the aid of the teacher. Projects will allow the student to build on past successes and improve in areas they need to work on to build a portfolio.

DRAWING IV: 12078

Independent Study Prerequisite: Drawing III

GRADES 11-12 1 CREDIT SEMESTER

Drawing IV is an advanced course that focuses on the further development of an artist portfolio. This class is intended for those students that wish to pursue a career in visual arts.

PAINTING III: 12064

Independent Study Prerequisite: Painting II and Instructor Approval

GRADES 11-12 ELECTIVE 1 CREDIT SEMESTER

Painting III is an advanced course that focuses on the communication of ideas through the various paint media. Students will develop a project focus with the aid of the teacher. All projects will allow the student to build on past successes and improve in areas they need to work on to build a portfolio.

PAINTING IV: 12065

Independent Study Prerequisite: Painting III and Instructor Approval

GRADES 11-12 ELECTIVE 1 CREDIT SEMESTER

This is an advanced course that focuses on the further development of an artist portfolio. This class is intended for those students that wish to pursue a career in visual arts.

BUSINESS EDUCATION COURSE DESCRIPTIONS

Business Computer Applications: 14002**(formerly Microsoft I)**

GRADES 9-12 1 CREDIT SEMESTER

This is a hands-on computer course designed to teach students how to use the computer and software packages, including Microsoft Word, Excel and Google software for business, college and personal use. You will learn to use:

- advanced word processing skills
- desktop publishing skills to combine text and graphics
- spreadsheet software for analyzing data and problem solving
- spreadsheet software to create business graphics including charts and graphs

* It is highly recommended that all students acquire keyboarding, formatting and word processing skills prior to enrollment

MARKETING APPLICATIONS: 14012**(formerly Microsoft II)**

Prerequisite: Microsoft I

GRADES 9-12 1 CREDIT SEMESTER

This is a hands-on computer course designed to teach students how to use the computer and software packages including Microsoft Powerpoint, Prezi, desktop publishing, and various online programs and apps such as Canva and Smore as well as social media use for marketing. You will learn:

- Drawing/graphic software to design illustrations and presentations
- Presentation software
- Multimedia tools to manipulate pictures/graphics
- How to create flyers, brochures, business cards, coupons, and other marketing media
- Effective marketing through social media outlets

INTRODUCTION TO BUSINESS: 14022

GRADES 10-12 1 CREDIT SEMESTER

This course is an introduction to the many facets of the business world. The class will touch on many topics, such as finance and accounting; ethics; business organization; ownership; marketing; management, motivation, and leadership; and human resources. The course is designed to give students experience in all aspects and determine one or more specific areas of interest in the business field.

BUSINESS LAW: 14052

GRADES 10-12 1 CREDIT SEMESTER

This course helps students study the evolving set of rules and laws that form our legal structure. A focus is on the substance and the process of our legal system where students will encounter and explore many important social and ethical issues. They will examine practical issues related to their daily lives, both now and in the future.

ACCOUNTING I: 14033, 14034

Prerequisite: Intro to Business

GRADES 11-12 2 CREDITS YEAR-LONG

This accounting course will introduce and then expand upon the fundamental accounting procedures used in small businesses. This course covers the full accounting cycle and incorporates topics such as payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles to the projects they work on and may prepare budgets and final reports. Projects are also done on Excel and an automated program on the computer. **This class is offered as a concurrent credit class with DMACC's ACC 111. A student who finishes this course will receive 3 DMACC college credits with the letter grade they earn.**

ACCOUNTING II

Independent study - Teacher Approval

GRADE 12 2 CREDITS YEAR-LONG

This course reinforces and extends accounting procedures learned in the first-year course. Cost, budgeting, and financial analysis topics are taught to give students a good background and preparation for business and accounting

courses in college for business majors.

SPORTS AND ENTERTAINMENT MARKETING: 14025

GRADES 10-12 1 CREDIT SEMESTER

This class will cover national marketing standards using an industry that brings relevance and enjoyment to the student. Students will cover topics including sports and entertainment products, price decisions, market research, licensing, endorsements, promotion, careers, and marketing plans. Real world scenarios will be used for this course, as students will have the opportunity to work with local sports and entertainment venues.

ENTREPRENEURSHIP: 14073

Prerequisite: Intro to Business

GRADES 10-12 1 CREDIT SEMESTER

This course is designed to help students understand how to start & operate a business. Course content includes the process in planning small business, competition, developing marketing plan, pricing, sales planning, financing, management, law & career opportunities. **This class is offered as a concurrent credit class with DMACC's BUS 148. A student who finishes this course will receive 3 DMACC college credits with the letter grade they earn.**

MARKETING: 14026

GRADES 10-12 1 CREDIT SEMESTER

This course is designed to introduce the students to basic marketing concepts and principles as they relate to Business, Sales, Entertainment, and Sports. Students will also examine the skills necessary to obtain and maintain a job by researching career interests. In addition, students will learn life skills such as technology, personal finance and written and verbal communication. Marketing is a co-curricular class that encourages students to participate with DECA and apply skills learned in class to real world applications.

PROFESSIONAL SALES MARKETING: 14027

GRADES 10-12 1 CREDIT SEMESTER

The course is offered to continue the student's education in business and marketing. The focus of the class will include hands-on activities in a variety of areas. Some of the areas included are: advertising, graphic design, human relations, entertainment, sports, and management. Students will receive training in such Career and Technical Education areas as selling, merchandise information, duties related to preparing merchandise for sale, and management concepts. Professional Sales Marketing is a co-curricular class that encourages students to participate with DECA and apply skills learned in class to real world applications.

FAMILY AND CONSUMER SCIENCE COURSE DESCRIPTIONS

PERSONAL LIVING SKILLS: 2033, 2034

GRADES 10 2 CREDITS YEAR-LONG

This is a comprehensive course designed to help students meet the challenges of daily life as an adolescent with confidence. Career exploration and the use of the library are included. First semester topics include: building self esteem, realizing your potential, your value system, recognizing character, setting goals, building relationships and understanding authority, resolving and avoiding conflicts, interpersonal and social skills, coping with death and divorce, eating disorders, and teen suicide and depression. Second semester topics include: love, dating, sexuality and sex respect, child development and teen pregnancy, management in a group setting, basic food preparation skills and knowledge needed for successful meal planning skills, and fashion/clothing basics. (Recommended for the year but may be taken by semester.)

HOUSING AND INTERIOR DESIGN: 2010

GRADES 10-12 1 CREDIT SEMESTER

This is a comprehensive course concerned with homes as an environment for families, human needs and housing, choosing a career in the housing profession, early homes, housing trends, and buying a home. The course also includes the elements and principles of design, architectural styles, and floor plans. Class work will include a cumulative major individual project (housing notebook). Self-motivation and personal responsibility are essential to

success in the course.

INDEPENDENT LIVING: 2024

GRADES 11-12 1 CREDIT SEMESTER

This elective one semester course is designed to go more in-depth on the topics covered in Single Skills. Career/college exploration, along with home and personal finance, are covered.

CULINARY ARTS I: 2051

GRADES 10-12 1 CREDIT SEMESTER

Beginning foods is a comprehensive course ranging from nutritional information, basic meal planning, and basic food preparation skills. Students will also research careers in food service. The class includes class activities, assessments, and a PowerPoint project, as well as labs.

CULINARY ARTS II: 2052

Prerequisite: Culinary Arts of Foods I

GRADES 11-12 1 CREDIT SEMESTER

This course will broaden the student's understanding of the science of food, weight control, and foreign foods, and will include meal management and consumer skills. Entertaining and gourmet cooking will be explored.

CHILD DEVELOPMENT/PARENTING: 2012

GRADES 10-12 1 CREDIT SEMESTER

Most people in our society become parents; therefore, the focus of this class is for students to understand the development of children. Information is presented to help today's future families successfully meet the unique challenges they may face. Units will include the decision to parent, careers related to children, prenatal development, infancy, toddlers, and preschoolers, and the developmental tasks during these stages. Many contemporary parenting concerns, ranging from child abuse to substitute child care to children's education needs are explored. Students will learn how to promote interactions that are enjoyable, supportive, encouraging and rewarding.

EARLY CHILDHOOD: 2014

Prerequisite: Child Development/Parenting

GRADES 10-12 1 CREDIT SEMESTER

Many individuals choose a vocation that involves working with children. The focus of this class will be the developmental tasks and needs of toddlers, preschoolers, and school-age children, and related careers. Information is presented to help students considering a career in childcare and/or early education successfully meet the unique challenges they may face in these and related vocations. Many educational concerns, ranging from child abuse to substitute child care to children's education needs are explored. Students will learn how to promote interactions that are enjoyable, supportive, encouraging and rewarding.

FASHIONS: 2005

GRADES 10-12 1 CREDIT SEMESTER

This elective semester course is a new offering. Topics will include: why people choose certain clothes, fashion vocabulary, industry terms, fashion careers, dyes, fibers and fabric finishes, and elements and principles of design. Several major projects will serve as assessments.

TECHNOLOGY EDUCATION COURSE DESCRIPTIONS

GRADES 10-12

Course Sequences: (* = indicates that a class is a yearlong)

Const./Home Maint.	->	Woods & Adv. Woods	->	Construction Project*
Intro to Engineering and Design*	->	3D Modelling I	->	3D Modelling II
Intro to Engineering and Design*	->	Civil Eng. Arch. I and II	->	Construction Project*
Multimedia	->	Video Production*		
Multimedia	->	Website Development*		

CONSTRUCTION/HOME MAINTENANCE: 13064

GRADES 10-12 1 CREDIT SEMESTER

This course will cover six different components of the construction field: concrete, framing, electrical, plumbing, trim work, and blueprint reading. This course will use both bookwork and hands on projects to cover all six areas of construction.

WOODS: 13061

GRADES 10-12 1 CREDIT SEMESTER

This is the required first class in the woodworking/construction program at DCG. This course starts out with safe use of tools and safe conduct in the lab. Then it moves on to an overview of all the basic hand tools and power tools used in the lab. The majority of time in this class will be in the lab learning how to use the different tools safely, by creating small projects that will improve students' knowledge in woodworking, and the quality of project they create.

ADVANCED WOODS: 13062

Prerequisite: Woods

GRADES 10-12 1 CREDIT SEMESTER

This course will improve on the student's woodworking ability. Students will use new and different techniques in creating woodworking projects such as dovetail joints, mortise and tendon joints, and lap joints. The goal of this class is to give students the knowledge they need to successfully complete an individual woodworking project.

FUNDAMENTALS OF METAL WELDING: 13100

GRADES 10-12 1 CREDIT SEMESTER

This course will involve processes to learn basic electric arc and oxygen acetylene cutting and welding, brazing, and MIG welding. Students will learn skills and knowledge through hands-on approach to both problem solving and project development.

CONSTRUCTION PROJECT

GRADES 11 & 12 APPLICATION PROCESS REQUIRED (NON-COLLEGE CORE)

6 CREDITS YEAR-LONG 7-8th PERIOD BLOCKED TOGETHER

This course will give students an opportunity to explore multiple careers in the construction field. Students will learn through practical applications of residential design and construction by building a house. This is a three class period long class for the entire year. Students are required to provide their own transportation to and from the work site. Also the students might be asked to work after school and even Saturdays to complete work. Students are encouraged to purchase their own hand tools for this course. Acceptance into this class is based on meeting the requirements and instructor approval. **This class is offered as a concurrent credit class with DMACC's CON 333, 334, 336, 337 & 338. Seniors are exempt from PE. Students who finish this class will receive 7 DMACC college credits.**

3D MODELING I: 13141

Prerequisite: Intro to Engineering Design OR Intro to 3D Modeling

GRADES 10-12 1 CREDIT SEMESTER

For students interested in STEM (Science, Technology, Engineering and Math), this course is designed to provide students with a firm foundation of concepts for creating and manipulating objects in a 3D environment. Students will apply problem solving skills and the design process to create 3D models in areas of architecture, business, engineering, and video games design, with an emphasis on mechanical drafting.

3D MODELING II: 13142

Prerequisite: 3D Modeling 1

GRADES 10-12 1 CREDIT SEMESTER

The purpose of this course is to provide students with intermediate modeling concepts for creating and manipulating objects in a 3D environment. Students will apply problem solving skills and the design process to create 3D models in areas of architecture, business, engineering, and video games design.

CIVIL ENGINEERING AND ARCHITECTURE I: 13121

Prerequisite: Intro to Engineering Design or Introduction to CAD

GRADES 10-12 1 CREDIT SEMESTER

This course will explore the architectural field through the use of different resources to give the students a real life perspective of how houses are built and designed. Along with the research in the design of houses, students will use different architectural design programs to create working blueprints of a home.

CIVIL ENGINEERING AND ARCHITECTURE II: 13122

Prerequisite: Architectural Design I

GRADES 10-12 1 CREDIT SEMESTER

This course dives deeper into the design aspect of home construction. Students will focus more on trends in the industry, different styles of homes, want and needs of the community, and new construction methods that will change architecture. This course will also be making working plans for home construction, with a goal of having the DCG Construction Project house plans created by students.

MULTIMEDIA (Hyperstream): 8051

GRADES 10-12 1 CREDIT SEMESTER

The purpose of this course is to provide students with an introduction to a variety of media concepts, including: website design and Joomla management, video and audio production, and graphic design. The course is designed to instruct in all aspects of video production and to provide students with a foundation of basic website development concepts. Fall semester classes will produce a multimedia presentation at a "Code Jam" competition as a capstone event in our partnership with Principal Financial Group. Spring semester classes will produce multimedia presentations to present in Ames at the IT Olympics. This class is a prerequisite for Website Development.

VIDEO PRODUCTION (SENIOR VIDEO): 8072, 8073

Prerequisite: Multimedia or Video Production

GRADES 11-12 2 CREDIT YEAR-LONG

The purpose of this course is to provide students the opportunity to work on a large, long-term project on a team. Students will work together to film, document, organize clips, and create a senior video that a portion of will be played at commencement. This course requires willful team participation, a strong work ethic, and initiative. Each student will be required to use out-of-class time to record school related events. The recording of school events is mandatory and will be divided up equally among team members. Students may drop and join at semester if the class size is not at capacity.

WEBSITE DEVELOPMENT (<http://www.dcgschools.com>): 8052, 8053

Prerequisite: Multimedia or Teacher Approval

GRADES 10-12 2 CREDITS YEAR-LONG

The purpose of this course is to provide students with a firm foundation of advanced web design concepts in HTML, CSS, and the Joomla content management system. Students will use a variety of development tools to update and maintain [dcgschools.com](http://www.dcgschools.com). Students also have the option of proposing alternative websites to create and maintain. Students may drop and join at semester if the class size is not at capacity. Students in this class must have a strong work ethic as you will be asked to go above and beyond our class time frame as needed.

S.T.E.M. COURSE DESCRIPTIONS**INTRO TO ENGINEERING AND DESIGN (IED): 13003, 13004**

Prerequisite: Algebra I or currently enrolled in Algebra I

GRADES 10-12 2 CREDITS YEARLONG

Students dig into the design & engineering through hands-on projects. Students will work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work. Students interested in design or engineering will benefit greatly from this course. **This class is**

offered as a concurrent credit class with DMACC's EGT 400. A student who finishes this course will receive 3DMACC college credits with the letter grade they earn.

PRINCIPLES OF ENGINEERING (POE): 13005, 13006

Prerequisite: Introduction to Engineering and Design (IED); Algebra II or currently enrolled in Algebra II

GRADES 10-12 2 CREDITS YEARLONG

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. Many activities are group based. **This class is offered as a concurrent credit class with DMACC's EGT 410. student who finishes this course will receive 3 DMACC college credits with the letter grade they earn.**

COMPUTER SCIENCE I (CSE): (formerly Programming I) 8007, 8008

GRADES 9-12 2 CREDITS YEARLONG PLTW

This course will empower students to develop computational thinking skills that prepare them to advance to Computer Science Principles (CSP) and Computer Science A (CSA). Students will experience the major topics, big ideas, and computational thinking practices used by computing professionals to solve problems and create value for others. They will use a visual programming language and advance to text-based programming. Throughout the course, students will have opportunities to apply computational thinking practices and collaborate just as computing professionals do to create products that address topics and problems important to them. The updated course will recognize the diversity of students' prior knowledge in computer science, welcoming students with limited knowledge but also challenging those with previous CS experience.

COMPUTER SCIENCE II - COMPUTER SCIENCE PRINCIPLES (PLTW) 80010, 80011

GRADES 10-12 2 CREDITS YEARLONG

This advanced course uses Python as a primary programming tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. This course can be a student's first course in computer science, although we encourage students without prior computing experience to start with Programming 1. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulations. This course prepares students to take the Advanced Placement Computer Science Principles course.

MUSIC COURSE DESCRIPTIONS

MIXED CHOIR: 9003, 9004

Based on singing part

GRADES 10-12 2 CREDITS YEAR-LONG

Mixed Choir is a non-auditioned mixed choir that meets every day. Students will explore music ranging from Baroque to Contemporary to Jazz and Popular. Members will work on theory concepts, ear training, sight-reading, breath management, and choral techniques. Voice lessons are required throughout the year.

Mixed Choir performs four home concerts per school year. Mixed Choir makes regular appearances at the IHSMA Large Group Contest. Students also may participate in the IHSMA Solo and Small Ensemble Festival. All performances are required, graded events.

TREBLE CHOIR: 9008, 9009

Based on singing part

GRADES 10-12 2 CREDITS YEAR-LONG

Treble Choir is an auditioned treble choir that meets every day. Students will explore music ranging from Baroque to Contemporary to Jazz and Popular. Members will work on theory concepts, ear training, sight-reading, breath management, and choral techniques. Voice lessons are required throughout the year.

Treble Choir performs four home concerts per school year. All performances are required, graded events. Treble Choir makes regular appearances at the IHSMA Large Group Contest. Students also may participate in the IHSMA Solo and Small Ensemble Festival.

***Jazz Choir and Show Choir rehearse outside of the regular school day.**

DC-G SINGERS

GRADES 10-12 2 CREDITS YEAR-LONG

DC-G Singers is an auditioned group of students in grades 10-12. The group meets everyday during 5th Period. This ensemble will explore classical works at the collegiate level. This group will travel for various performances throughout the year and participate in the IHSMA Solo/Ensemble Contest in the spring. This group also will receive touring opportunities as well as compete throughout the Midwest.

DC-G performs a minimum of four home concerts per school year. All performances are required, graded events. The group also does several local performances. DC-G Singers makes regular appearances at the IHSMA Large Group Contest. Students also may participate in the IHSMA Solo and Small Ensemble Festival.

BAND: 9013, 9014

GRADES 9-12 2 CREDITS YEAR-LONG

Band is open to all students with any prior background in instrumental music. Each student will be a part of Concert Band, Marching Band, and Pep Band. Individual lessons are very important and are required of each student. Lessons occur during study halls. The Band Department also offers opportunities for participation in Jazz band. Participation in Jazz Band is by audition only, and is at the discretion of the director. Students may elect to participate in state solo/ensemble contest, as well as audition for the All-State Band and various honor bands. Each student is expected to continually improve individual skills on their respective instrument, as well as continually strive to achieve their highest quality of performance in an ensemble setting. Each student is expected to contribute to the best of his or her ability. All performances are required, graded events.

- Concert Band studies many styles of music throughout the year. In addition to home concerts, the concert band performs at State Large Group Festival.
- Marching Band meets one week or more before school begins in the fall for band camp, and the season continues through the middle of October. The band performs at all home halftime shows, the Dallas Center Fall Festival Parade, and various competitions throughout central Iowa. Early morning rehearsals are required.
- Pep Band performs at boys' and girls' double-header home basketball games.
- Jazz Band is extra-curricular and rehearses outside of the regular school day during parts of the year. In addition to home concerts, the jazz band competes at State Jazz Festival and 3-4 local competitions.

MUSIC THEORY I & II: 9021, 9032

Prerequisite: Current participation in Band or Choir

GRADES 11-12 2 CREDITS YEAR-LONG

This course is for anyone interested in music that plans to make music a major part of his/her life after high school. A certain degree of music knowledge and background in music is required to be a part of the class. Students in music theory need to be self-motivated and willing to self-start projects and assignments. The basics of music theory, musical styles, composition techniques, and piano skills will be included. This class can be taken a maximum of two semesters with Theory I offered first semester, and Theory II offered second semester. Theory I is a prerequisite of Theory II. The class will be offered during one period in which the majority of interested students can take it.

PEER MUSIC: 90010

Grades 10-12 1 CREDIT SEMESTER

Application and Teacher Approval

This course provides an opportunity for differentiation in music. Students who want to work closely to support their peers in a music-based environment are encouraged to apply. Please see Mr. Mohlis for information.

Physical Education COURSE DESCRIPTIONS

FITNESS AND CONDITIONING

GRADES 10-12 0.25 CREDIT SEMESTER

This is an exercise based class where students acquire knowledge and skills emphasizing muscular strength, endurance, flexibility, and cardiovascular endurance. **This class may be taken in lieu of the Physical Education requirement.**

PERSONAL WELLNESS-HEALTH 2: 10044

GRADES 11-12 1 CREDIT SEMESTER

This wellness course continues the progression of health related information that has been taught in Health and Physical Education classes. The purpose of this course is to educate upperclassmen and motivate them to take responsibility for their own health and wellbeing as they enter adulthood. Course topics include: safety and injury prevention, personal fitness program, nutrition, body composition and weight management, cardiorespiratory basics, muscle strength and resistance basics and flexibility, club memberships, and other topics related to personal wellness. Labs will be incorporated weekly to practice the content learned so PE clothes will be required on many days. This class can count towards a Health class for juniors and seniors new to our district. **This class, which meets daily, may be taken in lieu of the Physical Education requirement.**

PHYSICAL EDUCATION

GRADES 10-12 0.25 CREDIT SEMESTER

Physical Education is required by the state of Iowa each semester a student is enrolled in school. Physical Education provides for physical growth and development through muscular strength and endurance, agility, flexibility, coordination, and balance. This helps produce maximum development of physical fitness. Most units used at the high school include all four aspects of personal fitness: aerobic fitness, body composition, flexibility, and muscle strength and endurance. Enrichment units will include the following areas: nutrition, consumer awareness, safety, and injury treatment. All students must attend class each day they are assigned and be dressed in the required PE apparel. **(Credits are included in GPA.)**

DCG courses that don't require PE (seniors only)

- Construction Project
- School-to-Work
- Personal Wellness
- DMACC/Central Campus classes off-campus
- PE Sports (1 semester only)

MISCELLANEOUS COURSE DESCRIPTIONS

COUNT ON ME! QUALITIES OF EFFECTIVE LEADERS/ROLE MODELS: 22003

Prerequisite: None

GRADES 11-12/10 with recommendation 1 CREDIT SEMESTER

Leadership class is designed to expose students to 18 qualities/traits that will help them to positively influence those around them. This class is for anyone who has goals of holding leadership positions with their team, club, group, class or those who just want to prepare themselves to be the best influence they can on others. The class will focus upon people who have demonstrated one of the 18 qualities of great leaders. For example: the quality of courage is built around Amelia Earhart, the characteristic of compassion focuses upon Oprah Winfrey, and responsibility tells us about Cal Ripken Jr. Each week the class will read about an individual, have class discussions on ethical dilemmas, write weekly reflections, and infuse movies and other technology into the weeks' activities.

SCHOOL TO WORK PROGRAM: APPLICATION REQUIRED

Prerequisite: None

Two Periods a day 6th, 7th, 8th. SENIORS ONLY are excused from PE

GRADES 11-12 4 CREDITS (2 per semester) YEAR LONG or SEMESTER LONG WITH TEACHER APPROVAL

School to Work is an educational opportunity for DC-G juniors and seniors to explore what it takes to develop and maintain a rewarding career. School to Work is a class that will give you the ability to experience things that cannot be experienced in the classroom. Each student is placed into the businesses community by the coordinator. There you will develop a broad range of skills that can assist you in today's changing workplace. There are two components to the class: the first six weeks of the course are spent in the classroom, and the remainder of the year is spent on the job site. All placements are non-paid positions. At the completion of the yearlong course, each student will receive 6 DMACC credits. Applicants are screened for admission. See Mr. Levenhagen for procedure if interested. **This class is offered as a concurrent credit class with DMACC's ADM 259 AND ADM 936. Students who complete this course will receive 5 DMACC college credits.**

HIGH SCHOOL EXTENDED LEARNING PROGRAM

GRADES 10-12

The talented and gifted program uses the talent pool approach. Students within this program are encouraged to become autonomous learners. Referrals by the student, parent(s) and teacher(s) initiate the student identification or inclusion process. Other criteria such as achievement and cognitive ability, test scores (Iowa Assessments, ACT, etc.), classroom performance, and observable skills are also used in this process.

Types of services available to high school talent pool students include, but are not limited to, the following: independent study (with or without credit), curriculum compacting (completing courses with fewer contact hours to create time for more advanced work), advanced placement courses (after which students may choose to take a test to earn credit accepted by many colleges and universities), mentorships (in which a student is paired with a volunteer who shares a special area of interest or ability), actual enrollment in college courses during high school for both high school and college credit (through the Post Secondary Enrollment Options Act), correspondence courses, seminars or symposia, notification regarding appropriate state and regional programs for the gifted, career exploration and guidance activities, out-of-school activities, and academic competitions.

ELP /SELF-PROPELLED PROJECTS: ELP Teacher and Principal Approval

INDEPENDENT STUDY 1 CREDIT SEMESTER

Students will pick a project of interest and set up goals for the semester. This will give each student the opportunity to focus on something of his or her own interest. Student progress will be checked periodically throughout the semester, and the end project will be presented to the appropriate audience. Each project will indeed be as unique as the person creating it, but each project must be of such magnitude to require an entire semester of work. Each student's grade will be based on their daily research and the end result of their completed project.

ELP/POST-SECONDARY ENROLLMENT:

College credit 1 CREDIT SEMESTER

ELP students will have the opportunity to enroll in college courses that are pre-approved by the administration. These courses may include off campus classes, correspondence classes and/or online classes. This must be applied for by March of the preceding year

PEER TUTORING

GRADES 11-12 .5 CREDIT SEMESTER

Application and Teacher Recommendation

Trained student tutors will support the learning in core curricular areas. After attending required training courses during the first weeks of school, scheduled during Academic Opportunities and Study Hall times, student tutors will be connected with their peers in need of academic support. Tutors will work through one content area (Math, Science, Language Arts, Social Studies), be evaluated by a teacher of that content area, participate in 3 sessions a week, and document their work. Student tutors will use their Study Hall and/or Academic Opportunities times to tutor others.

Student tutors gain many long-term benefits, including leadership and advocacy skills, as well as experience in teaching and a deeper understanding of the material. Upon satisfactory completion and evaluation, each semester will result in half credit and may be repeated for a total of one credit with a pass/no pass grade

DRIVER'S EDUCATION:

- **DR.ED (FALL) 1020, DR.ED (WINTER) 1025, DR.ED (SUMMER) 1030, DR.ED (SPRING) 1040**

14 years of age recommended, Driver's Permit required

0.5 CREDITS EITHER SEMESTER/SUMMER

Divided into classroom instruction and behind-the-wheel driving experience. Dual controlled automobiles are furnished. The main goal of the course is to help students find the balance between being serious about driving and yet enjoying their new experience of freedom. Students gain knowledge and skill about driving through: excellent speakers, videos, classroom teaching, textbook work, their parents and driving experiences with parents and drivers education instructor. This class is offered four times during the school year. There is a fall class which starts in October, a winter class which starts in January, a spring class which starts in March, and a summer class in June and July. Classrooms during the year are held Tuesday, Thursday and Friday from 6:45-8:00 am. Driving times during the year are arranged during study halls if possible. Spring class will be offered if at least 16 students sign up for class. The board sets the fee required for this course annually. Grade for this class not calculated in GPA.

Recommended College Prep Curriculum (beyond current graduation requirements)

English	1 full-year of AP Comp; College Lit; Eng IV
Math	Four years of college prep math
Social Studies	Psychology or Sociology
Foreign Language	Minimum two years, each additional year will have increased benefit
Science	Min of 2 years of the following: Chemistry, Physics, AP Biology, AP Chemistry

Early Graduation

Seniors completing all graduation requirements by the end of their 7th semester may opt to graduate early. They will not attend second semester classes and will be ineligible for extracurricular activities during this semester and the summer. They will be allowed to attend Prom and Commencement with all honors. Diplomas will not be available for early graduates until the spring ceremonies.

Graduation Honors

On completion of the course of study in the senior high school, the administration shall award:

High Honors	Weighted GPA of 4.00 and above
Honors	Weighted GPA of 3.90 - 3.99

**The students in each of the Honors groups shall receive a cord to wear at Commencement.

Honors Diploma

Students meeting the following requirements will be recognized at commencement as graduating with honors, as well as have an honors designation on their diploma and transcript.

The requirements are:

- Minimum of 54 Total Credits
- 8 Language Arts Credits (to include 2 semesters of AP Comp)
- 8 Science Credits (to include 2 credits advanced or AP science classes)
- 8 Math Credits (to include Trig/Pre Calculus and Calculus/AP Calculus)
- 8 Social Studies Credits and 6 Foreign Language Credits OR
- 6 Social Studies Credits and 8 Foreign Language Credits
- 1 credit Fine Arts (Art, Music, Drama)
- Minimum of 3.5 GPA

Participation in Commencement Exercises

Students that wish to participate in the commencement exercise must have completed all requirements as set forth by the board of directors of the Dallas Center-Grimes School District.

Advanced Placement (AP) Classes

Students at Dallas Center-Grimes may enroll in Advanced Placement classes at the high school. Each AP course's

curriculum is equivalent to a first year college course. These accelerated courses require students to meet class prerequisites, teacher approval and parental approval. The student is encouraged to take the course's AP test in May (at their expense). Students who earn a score of 3, 4, or 5 may earn college credit (dependent upon issuing college).

AP classes may also be taken online or at Central Academy in Des Moines if not offered at Dallas Center-Grimes. The following AP course subjects are available at Dallas Center-Grimes.

AP Art Studio 2D	AP Biology	AP Calculus AB
AP Calculus BC	AP Chemistry	AP Env. Science
AP Eng Language and Composition	AP U.S. History	AP Physics I
AP Physics II	AP Psychology	AP Spanish
AP Statistics	AP US Gov & Politics	AP World History

Standard Grading Scale:

A	93-100
A-	90-92
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	73-76
C-	70-72
D+	67-69
D	63-66
D-	60-62
F	59 and below

Weighted Grading Scale: (Only students who take AP exam)

- One point will be added to above standard GPA grading scale.
 - Example: A- = 3.67 + 1 = weighted GPA 4.67

CONCURRENT ENROLLMENT COURSES

DC-G Course

core	Advanced Speech
core	Anatomy/Physiology
core	AP Biology
core	AP Biology
core	AP English/Language/Comp.
core	AP English/Language/Comp.
core	College Literature
core	Spanish III
core	Spanish IV
non-core	Prin. of Digital Photo
non-core	Agronomy
non-core	Survey of Animal Industry
non-core	Art Appreciation

DMACC Equivalent

SPC 101 Speech 101 - Fundamentals of Speech (3 credits)
BIO 164 - Anatomy/Physiology (5 credits)
BIO 112 - General BIO 1 (3 credits)
BIO 113 - General BIO 2 (3 credits)
ENG 105 - Comp I (3 credits)
ENG 106 - Comp II (3 credits)
LITR 101 - Intro to Lit (3 credits)
FLS 151 - Spanish III (10 credits)
FLS 241 - Spanish IV (8 credits)
ART 186 - Principles of Digital Photography (3 credits)
AGA 157 - Soil Fertility (3 credits)
AGS 113 - Survey of Animal Industry (3 credits)
ART 101 - Art Appreciation (3 credits)

non-core	Ceramics I	ART 173 - Ceramics (3 credits)
non-core	Construction Project	CON 333, 336, 337 - Construction (7 credits)
non-core	Painting I	ART 143 - Painting (3 credits)
non-core	Technical Math	MAT 772 - Applied Math (3 credits)
non-core	School to Work (Fall)	ADM 259 - Professional Development (2 credits)
non-core	School to Work (Spring)	ADM 936 - Occupational Experience (3 credits)
non-core	Entrepreneurship	BUS 148- Small Business Management (3 credits)
non-core	Accounting	ACC 111 - Intro to Accounting (3 credits)
non-core	Intro to Engr & Design (IED)	EGT 400 - PLTW Intro to Engr Design (3 credits)
non-core	Principles of Engr (POE)	EGT 410 - PLTW Principles of Engineering (3 credits)

The **Post-Secondary Enrollment Option Act** allows eleventh and twelfth grade students to enroll part-time at an eligible community college, state university, or private college. Freshman and sophomore ELP students are also eligible. You must be taking classes at DC-G High school during the same semester. The student is recommended to have a 3.00 or above cumulative GPA or have administrative approval. The high school pays the cost of tuition, textbooks, and fees up to \$250 per class. (Not parking) The college pays costs beyond \$250. (Student must provide transportation.) If the student fails, or receives an incomplete in the college class, the cost becomes the responsibility of the student or his/her parent(s). The student receives credit for both high school and college, and the grade is calculated into his/her high school GPA. The class must be approved by the school district in advance, as classes that are comparable to those at DC-G high school are not eligible. The student must apply with the Deans prior to March 15th of their intent to take a class the following year. Students interested should contact the Deans for the proper forms.

DMACC CAREER ADVANTAGE is a two-semester program in a number of vocational areas. The classes would involve the student spending half of the day at a DMACC campus and half a day at DC-G. The program is available to juniors and seniors with a key interest in the following areas as a career. The student would be responsible for transportation and the high school would pay the cost for all successfully completed classes.

Agribusiness	Criminal Forensics	Information Technology
Automotive Technology	Culinary Arts	Manufacturing Technology (Tool & Die)
Automotive Collision	Diesel Technology	Project Lead The Way
Aviation (CC)	Early Childhood	Web Page Design
Business	Health Occupations	Horticulture

See the Dean/Counselor for information or visit <https://www.dmacc.edu/ankeney/Pages/ankeneycareeracademy.aspx>. Commitment to take college courses must be articulated at time of registration.

CENTRAL CAMPUS/CENTRAL ACADEMY CLASSES

DC- G has a sharing agreement with Des Moines Independent Community Schools. Des Moines offers over 30 vocational and advanced classes at their central campus. Juniors and seniors may enroll in these classes on a half-day basis. A wide variety of advanced curriculum courses are offered at Central Academy, which includes AP and advanced level courses. Three credit classes are recommended to justify the periods used to travel to Central Campus. In order to be eligible to take these advanced classes, students must take all the courses DC-G offers in that area first. In addition, students must fulfill core requirements at DC-G to be eligible to either take or continue with these courses. Students need to fill-out an application for consideration to this program. Transportation to Central Campus (1600 Grand) is the responsibility of the student. Scheduling for graduation requirements take priority. See Dean/Counselor for classes offered and deadlines for registration.

Areas of study at Central Campus:

Agriculture & Environmental Sciences	Communication Media
Health Careers	Education & Leadership Careers
Technology & Systems Integration	Family & Consumer Science
Transportation Careers	Chinese, German, Italian, Japanese
Marine Biology	

More information: <http://www.dmschools.org/academics/curriculum/career-technology-education/central-campus/>.

Retaking Classes

Students may repeat any course that has been passed for a higher grade under the following conditions:

- The course must be retaken within a year of the completion of the initial course.
- If a higher-level course has been taken, the option of repeating a lower course is no longer available.
 - i.e. cannot repeat Algebra I after geometry.
- The course may be repeated once.
- Enrollment will be on a space available basis.
- The original course and grade will show on the transcript, but the higher of the two grades will be used to determine GPA.
- Courses cannot be taken at summer school.
- Credit will only be issued one time.

Summer School

Summer school is an option for students that have failed one or more courses and must be pre-approved by the Deans or principal. Summer school grades that are earned from an accredited institution other than DC-G will be given credit and will be recorded on the high school transcript. The grades will be brought in as pass/fail and will not impact GPA. The original grade of a failed class will be changed to NP on the transcript.

College classes can be taken, at student's cost, during the summer with pre-approval. College classes cannot replace a required course for high school credit. College class grades will be recorded as given by the college and will be calculated into the students' GPA.

Summer school as part of DC-G supported credit recovery may be available on an as-needed basis. When offered, students that are eligible must have earned a minimum of 55% in the class failed. Students may recover credits by attending all sessions and earn a minimum of 80% during the summer session. If these are met, the grade for this course will be changed on the student's transcript to a D-.

Sports Eligibility for College

Any student interested in participating in sports at a NCAA Division I or Division II college must meet core course and credit requirements through the NCAA Clearinghouse. Only classes taken in grades 9-12 are eligible for consideration. Courses approved by the clearinghouse for DC-G are available from the clearinghouse or high school counselor. An official application to the clearinghouse is made at the end of your junior year. Other college programs (NAIA, etc.) may also have special requirements for eligibility. Additional information is available in the index of this book

Independent Study by Students

Students may elect to accelerate their course of study and elect to take classes at DC-G on an independent basis under the following guidelines:

1. The student must have administrative and curricular areas staff approval before permission will be granted.
2. Classes cannot be at a lower proficiency level than already acquired by the student.
3. Parents must sign a permission form.
4. Students who wish to accelerate normal grade placement by external independent study are subject to the same guidelines as above.

Credits

Each academic course passed that meets every day will be given recognition of one credit per semester. The following courses are granted less than one credit:

Driver's Education	0.5 (not calculated into GPA)
Physical Education	0.25 (calculated into GPA)

All above policies are subject for review for each school year. Approved board policy and handbook supersedes anything in this description book. Courses offerings are subject to enrollment criteria

Course Requirements for Admission to Iowa's Regents Universities

University of Northern Iowa

- ENGLISH 4 years, including one year of composition; also may include one year of speech, communications, or journalism.
- MATH 3 years, including algebra, geometry, and advanced algebra.
- SCIENCE 3 years, including courses in general science, biology, chemistry, earth science, or physics: laboratory experience highly recommended.
- SOCIAL STUDIES 3 years, including courses in anthropology, economics, geography, government, history, psychology, or sociology.
- FOREIGN LANGUAGE Foreign language courses are not required for admission. Two years are needed for University graduation requirements with C- or above.
- ELECTIVES 2 years of additional courses from the required subject areas, foreign language, or fine arts.

The University of Iowa

- ENGLISH 4 years with emphasis on the analysis and interpretation of composition, literature, speech.
- MATH 3 years, including two years of algebra and one year of Geometry for admission to College of Liberal Arts, 4 years for admissions to College of Engineering
- SCIENCE 3 years, including one year from any two of the following: biology, chemistry, and physics for admission to College of Liberal Arts.
3 years, including at least one year of chemistry, and physics for admission to College of Engineering.
- SOCIAL STUDIES 3 years, including courses in U.S. and world history for admission to College of Liberal Arts.
2 years, including courses in U.S. and world history for admission to College of Engineering.
- FOREIGN LANGUAGE 2 years of one foreign language for admission. For many degrees, the 4th year of proficiency is required for graduation.
- ELECTIVES Not required.

Iowa State University

- ENGLISH 4 years, with emphasis on the analysis and interpretation of composition, literature, speech.
- MATH 3 years, including two years of algebra and one year of Geometry.
- SCIENCE 3 years, including one year each of courses from two of the following fields: biology, chemistry, and physics.

SOCIAL STUDIES 3 years for admission to College of Liberal Arts and Sciences.
2 years for admission to Colleges of Engineering Agriculture, Business, Design, Education, and Family & Consumer Sciences.

FOREIGN LANGUAGE 2 years of one foreign language for admission to Colleges of Liberal Arts & Sciences and Engineering. One additional year for University graduation requirements. Elementary Education and Early Childhood majors require 3 years of foreign language to graduate. No foreign language is needed in the other colleges.

ELECTIVES Not required.

NCAA ELIGIBILITY REQUIREMENTS (more details can be acquired at (www.ncaaclearinghouse.net))

DIVISION I 2008 after

16 Core Courses

4 Years English
3 Years Math (Above Alg 1)
2 years Science (1 year lab)
1 year additional English, Math, Science
2 years Social sciences
4 years additional from above
Plus foreign language

DIVISION II

14 Core Courses

3 Years English
2 Years Math (Above Alg 1)
2 years Science (1 year lab)
2 year additional English, Math, Science
2 years Social Sciences
3 years additional from above
Plus foreign language

Division II has a minimum core grade point average of 2.0 and minimum SAT of 820/ACT sum score 68.

Division I has sliding scale with minimum core grade point of 2.0 ACT/SAT sum score goes down as GPA goes up.

NAIA ELIGIBILITY REQUIREMENTS (more details can be acquired at www.naia.org/local/collegebound/html)

1. **YOU MUST**, if an entering freshman*, meet two of three entry-level requirements.

* An entering freshman is defined as a student who, upon becoming identified with an institution, has not been previously identified with an institution(s) of higher learning for two semesters or three quarters (or equivalent).

- A. Achieve a minimum of 18 on the ACT or 860 on the SAT taken on or after April 1, 1995; 740 for tests taken prior to April 1, 1995. [Ed. note: The increased score does not reflect an increase in performance. The SAT began using a different scoring scale on April 1, 1995; an 860 on the new scoring scale is equivalent of a 740 under the old scoring scale.] Tests must be taken on a national testing date (residual tests are not acceptable). Scores must be achieved on a single test.
- B. Achieve a minimum overall high school grade point average of 2.000 on a 4.000 scale.
- C. Graduate in the top half of your high school graduating class.

The ACT/SAT test must be taken on a national testing date and certified to the institution prior to the beginning of the term in which the student initially participates.

Non-discrimination Statement

Students, parents, employees and others doing business with or performing services for the Dallas Center-Grimes Community School District are hereby notified that this school district does not discriminate on the basis of race, color, creed, religion, gender, national origin, sexual orientation, gender identity, disability, age(for employment), marital status (for programs), or socioeconomic status (for programs) in admission or access to, or treatment in, its programs and activities or hiring and employment practices. Any person having inquiries concerning the school district's compliance with the regulations implementing Title VI, Title VII, Title IX, the Americans with Disabilities Act (ADA), 29 CFR 504 or Iowa Code 280.3 is directed to contact: Mitzi Chizek, 1414 Walnut St. Suite 200, Dallas Center, Iowa 50063, telephone: 515-992-3866, who has been designated by the school district to coordinate the school district's efforts to comply with the regulations implementing Title VI, Title VII, Title IX, the ADA, 29 CFR 504 and Iowa Code 280.3.