

# Dallas Center-Grimes High School



## Course Description Book 2022-23

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# Graduation Requirements by Department

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

### Required courses:

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

(Must take minimum one course from the elective category)

### Additional Electives:

AP English Language & Composition	2 credits
College Prep English	1 credit
Journalism	2 credits
Creative Writing	1 credit
College Literature	1 credit
Novels	1 credit

## - - Social Studies - 7 credits required - -

(Must take minimum one course from each of the following groups unless otherwise indicated)

	<b>Class of 2023</b>	<b>Class of 2024 and beyond</b>
World History and Geography	West. Civ: Age of Exploration to Today (1 credit) World Geography (1 credit) AP World History (2 credits)	West. Civ: Age of Exploration to Today (1 credit) and World Geography (1 credit)  OR  AP World History (2 credits)
Behavioral Science	Recent History (1 credit) Current Issues (1 credit) Sociology (1 credit) Psychology (1 credit)	Sociology (1 credit) Psychology (1 credit)
US History	US History (2 credits) AP US History (2 credits)	US History (2 credits) AP US History (2 credits)
Economics	Economics (1 credit)	Economics (1 credit)
Civics	US Government (1 credit) AP US Gov & Politics (1 credit)	US Government (1 credit) AP US Gov & Politics (1 credit)

### Additional Elective:

Current Issues	1 credit
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## **- - Math - 6 credits required - -**

### Required courses:

Algebra I	2 credits
Geometry	2 credits
Algebra II	2 credits

### Additional Electives:

Trigonometry/PreCalculus	2 credits	Calculus	2 credits
Probability & Statistics	1 credit	AP Calculus AB	2 credits
AP Statistics	2 credits	AP Calculus BC	2 credits

Starting Aug 2018, high school math credits taken before 9th grade are included in completion of the high school math graduation requirement. This is not retroactive to credits earned before that date.

Class of 2023	Class of 2024 and beyond
6 credits needed for math graduation requirement.  High school math courses taken during 8th grade are accepted toward meeting graduation requirements.	6 credits needed for math graduation requirement.  High school math courses taken before 9th grade are accepted toward meeting graduation requirements.

## **- - Science - 6 credits required - -**

	Class of 2023 and 2024	Class of 2025 and beyond
<b>Year 1</b>	Integrated Science (1 credit) Foundations of Physics & Engineering (1 credit)	Chemistry I (1 credit) Physics I (1 credit)
<b>Year 2</b>	Biology (2 credits) or Chemistry (2 credits) if taking AP Biology in year 3	Biology (2 credits) or AP Biology (2 credits)
<b>Year 3</b>	Chemistry - first semester (1 credit) or AP Biology if completed Chemistry in year 2	Earth & Environmental Science (1 credit)
<b>Additional Elective Choices</b> (at least one credit required for graduation)	Anatomy and Physiology (2 credits) Botany I (1 credit) Botany II (1 credit) Chemistry - second semester (1 credit) Physics (2 credits) AP Chemistry (2 credits) AP Environmental Science (2 credits) AP Biology (2 credits) AP Physics I (2 credits) Intro. to Engineering Design (2 credits) Principles of Engineering (2 credits)	Anatomy and Physiology (2 credits) Botany I (1 credit) Botany II (1 credit) Chemistry II (1 credit) Physics II (1 credit) AP Chemistry (2 credits) AP Environmental Science (2 credits) AP Biology (2 credits) AP Physics I (2 credits) Intro. to Engineering Design (2 credits) Principles of Engineering (2 credits)

## **-- ADDITIONAL REQUIREMENTS --**

<b>-- Physical Education</b>	1 credit
<b>-- Health</b>	1 credit
<b>-- Financial Literacy</b>	1 credit

### **Note**

All students are required to take a total of six credits per semester.

## **GRADUATION INFORMATION**

### **Early Graduation**

Students completing all graduation requirements by the end of their 6th or 7th semester may opt to graduate early. They will not attend classes after completing all requirements 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. Students interested in learning more must speak to their counselor.

### **Graduation Honors**

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

<b>High Honors</b>	Weighted GPA of 4.00 and above
<b>Honors</b>	Weighted GPA of 3.90 - 3.99

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

\*\*High Honors and Honors are based on the 7th Semester GPA.

### **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.

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 2 credits advanced or AP coursework)
- 8 Social Studies Credits (to include 1 credit advanced or AP coursework)
- 3 consecutive years of the same world language
- 1 credit Fine Arts (Art, Music, Drama)
- Minimum of 3.5 GPA

### **Participation in Commencement Exercises**

Students who 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 and be in good standing with the school.

# ACADEMIC OPPORTUNITIES

## ADVANCED PLACEMENT COURSES

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 US Gov & Politics	AP Biology	AP Calculus AB
AP Statistics	AP Chemistry	AP Calculus BC
AP Lang & Comp	AP U.S. History	AP Physics I
AP World History		

## CONCURRENT ENROLLMENT COURSES

Students at Dallas Center-Grimes may enroll in Concurrent Enrollment Courses at the high school. These courses are taught by DC-G teachers who are approved by DMACC to teach college level courses in the building. Credit earned in these courses are applied to students' DC-G high school transcript and a DMACC transcript.

<u>DC-G Course</u>	<u>DMACC Equivalent</u>
core Advanced Speech	SPC 101 Speech 101 - Fundamentals of Speech (3 credits)
core AP English/Language/Comp.	ENG 105 - Comp I (3 credits)
core AP English/Language/Comp.	ENG 106 - Comp II (3 credits)
core College Literature	LITR 101 - Intro to Lit (3 credits)
core AP US History	HIS151 - US History to 1877 (3 credits)
core AP US History	HIS152 - US History since 1877 (3 credits)
core AP World History	HIS 110 - Western Civ: Ancient to Early Modern (3 credits)
core AP World History	HIS 111 - Western Civ: Early Modern to Present (3 credits)
non-core Agronomy and Soil Sciences	AGA 157 - Soil Fertility (1 credit)
non-core Survey of Animal Industry	AGS 114 - Survey of Animal Industry (2 credits)
non-core Art Appreciation	ART 101 - Art Appreciation (3 credits)
non-core Ceramics II	ART 173 - Ceramics (3 credits)
non-core Painting II	ART 143 - Painting (3 credits)
non-core Drawing II	ART 133 - Drawing (3 credits)
non-core School to Work (Fall)	WBL110 - Employability Skills (2 credits)
non-core School to Work (Spring)	ADM936 - 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 Professional Sales Marketing	MKT 140 - Selling (3 credits)
Non-core Advanced Computer Science	CIS 125 - Introduction to Programming and Logic (3 credits)

## **DMACC CAREER ADVANTAGE**

This 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.

Accounting	Computer Programming	Fashion	Welding
Automotive Technology	Criminal Justice	Health Occupations	
Automotive Collision	Culinary Arts	Human Services	
Applied Engineering	Cybersecurity	Machine Operations (Tool and Die)	
Business	Diesel Technology	Teaching	
CAD Programming	EMT	Visual Communications	

See the Counselor for information or visit <https://www.dmacc.edu/ankeny/Pages/ankenycareeracademy.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 fulfil core requirements at DC-G to be eligible to either take or continue with these courses. Transportation to Central Campus (1600 Grand) is the responsibility of the student. Scheduling for graduation requirements take priority. See Counselor for classes offered and deadlines for registration.

### Areas of study at Central Campus:

Business	Human Services
Informational Technology and Arts	Skilled Trades
Engineering	Transportation
Health Sciences	

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

## **WAUKEE APEX**

Through a collaboration between education, business, and the community, Waukee Aspiring Professional Experience (APEX) develops highly skilled, adaptable, global innovators and leaders. Waukee APEX draws on the expertise of business partners to bring real-world experience to high school. Through passion-based learning, authentic projects, and experiences, students add value to business partners while exploring career possibilities identified by economic trends within our metro area and state.

Students interested in the program need to:

- Believe in productive collaboration between education, business and community.
- Commit to adding value to partnering businesses.
- Be open to new ideas and possibilities.
- Be a junior or senior in high school.
- Desire to work with other students on problem-based, real-world projects.
- Demonstrate business ethics and dress professionally as determined by the field of study.
- Spend 2.5 hours a day away from your high school. APEX courses take place in the morning or afternoon during fall or spring terms.
- Provide own transportation.

To learn more, visit their website at <https://apex.waukeeschools.org>

# ACADEMIC INFORMATION

## Standard Grading Scale:

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

## Weighted Grading Scale: (Students who pass the AP COURSE)

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

## 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 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.

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 student's GPA.

Summer school as part of DC-G supported credit recovery may be available on an as-needed basis. 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-.

## 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 will be communicated with when independent studies are scheduled.
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:

Peer Tutoring	0.50
Peer PE	0.50
Peer Fine Arts	0.50

**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.**

# **POSTSECONDARY PLANNING**

## **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 courses in biology, chemistry, environmental science and physics for admission to College of Liberal Arts and College of Engineering. 3 years, including one year each of Biology, Chemistry, and Physics for the College of Nursing.
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 4 <sup>th</sup> year of proficiency is required for graduation. Nursing—minimum second-level proficiency in one world language (typically 4 years). .
ELECTIVES	Not required

### **Iowa State University**

ENGLISH	4 years, with emphasis on writing, speaking, as well as an understanding and appreciation of literature.
MATH	3 years, including two years of algebra and one year of Geometry.
SCIENCE	3 years, including at least two years of courses which emphasize the following: biology, chemistry, or physics.
SOCIAL STUDIES	3 years for admission to College of Liberal Arts and Sciences. 2 years for admission to Colleges of Engineering, Agriculture and Life Science,, Business, Design, and Human Sciences.
FOREIGN LANGUAGE	2 years of one foreign language for admission to Colleges of Liberal Arts & Sciences and Engineering.
ELECTIVES	Not required.

\*Some requirements may differ for programs within any university.

### **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.

**NCAA ELIGIBILITY REQUIREMENTS (more details can be acquired at ([www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net))**

**DIVISION I 2008 after**

**16 Core Courses**

- 4 Years English
- 3 Years Math
- 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**

**16 Core Courses**

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

**Division II** has a minimum core grade point average of 2.2 and minimum SAT of 820/ACT sum score 68.

**Division I** has a 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 <https://www.ncsasports.org/naia-eligibility-center>)**

**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 institutions) of higher learning for two semesters or three quarters (or equivalent).

- A. Achieve a minimum of 18 on the ACT or 970 on the SAT.
- 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), 504 or Iowa Code 280.3 is directed to contact: Angela Dvorak, 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, 504 and Iowa Code 280.3.

# Course Descriptions

Courses are listed alphabetically under each section, not by suggested progression.

**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

### **ADVANCED ENGLISH II: 7221, 7222**

Prerequisite: English I (COLLEGE CORE)

GRADE 10                  2 CREDITS                  2 TERMS

Students in this course will explore American literature more widely and deeply than those in Standard English II classes, including more challenging and/or complete print and non-print texts. The Advanced English course fosters intellectual curiosity by encouraging students to generate thought-provoking questions and topics and to research diverse sources. Students will build on their literature, nonfiction, composition, grammar, vocabulary, research and speaking skills. Reading and writing units focus on critical thinking and literary analysis in addition to reading comprehension, literary techniques, and literary elements. Students will refine their composition skills through the study of usage, mechanics, and documentation (MLA format).

### **ADVANCED ENGLISH III: 7331, 7332**

Prerequisite: English II (COLLEGE CORE)

GRADE 11                  2 CREDITS                  2 TERMS

Students in this course will explore world literature more widely and deeply than those in Standard English III classes, including more challenging and/or complete print and non-print texts. The Advanced English course fosters intellectual curiosity by encouraging students to generate thought-provoking questions and topics and to research diverse sources. Students will build on their literature, nonfiction, composition, grammar, vocabulary, and research skills. Reading and writing units focus on critical thinking and literary analysis in addition to reading comprehension, literary techniques, and literary elements. Students will refine their composition skills through the study of usage, mechanics, and documentation (MLA format). This course will prepare a college-bound student well for further explorations in subsequent classes such as College Prep, College Literature and/or AP Composition.

### **ADVANCED SPEECH: 7150**

Prerequisites: English III (COLLEGE CORE)

GRADE 12                  1 CREDIT                  1 TERM

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.**

**COLLEGE AP ENGLISH LANGUAGE & COMPOSITION: 13619, 13620**

Prerequisite: English III; or teacher approval (COLLEGE CORE)

GRADE 12                  2 CREDITS                  2 TERMS

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 complete and pass the course will receive a weighting of one point on their GPA. This class may be offered as a concurrent credit class with DMACC's English 105 and English 106. A student who finishes this course could receive 6 DMACC credits.**

**COLLEGE LITERATURE 101: 16901**

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

GRADES 11-12                  2 CREDITS                  2 TERMS

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.**

**COLLEGE PREP ENGLISH: 7034**

Prerequisite: English III                  (COLLEGE CORE)

GRADE 12                  1 CREDIT                  1 TERM

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 many types of writing, and to encourage a mature approach to the development of writing skills before attending college. Throughout the semester, discussion-based learning will introduce students to the type of curriculum they can expect to see in college-level English classes. 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.

**CREATIVE WRITING: 7051**

(NON-COLLEGE CORE)

GRADES 9-12                  1 CREDIT                  1 TERM

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.

**DRAMA: 7121**

GRADE 9-12                  1 CREDIT                  1 TERM

Drama I is a one semester course that builds students' abilities in performance of theater arts. It focuses on body control, voice, improvisation, and character analysis. Students will study American plays with a focus on characterization. In addition, audition techniques will be discussed and practiced. The semester will conclude with the performance of a scene.

**ENGLISH I: 7013, 7014**

(COLLEGE CORE)

GRADE 9                  2 CREDITS                  2 TERMS

Building upon the students' skills and knowledge gained in middle school language arts studies, "English I" is a course designed to review and to expand the student's abilities to take all roles in the communication process...reader, writer, speaker, and listener. The initial required curriculum is a skill-oriented course, which provides a functional foundation for subsequent study and for practical application. As such, English I covers a broad spectrum of language activities within its yearlong course of study and is rooted in basic skills concepts in all phases of language.

**ENGLISH II: 7021, 7022**

Prerequisite: English I                  (COLLEGE CORE)

GRADE 10                  2 CREDITS                  2 TERMS

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. Students will utilize the three types of writing such as narratives, persuasive, argumentative and informational writing. Literature in this course will touch on all major genres while assessing the contributions of authors of different backgrounds in America.

**ENGLISH III: 7031, 7032**

Prerequisite: English II                  (COLLEGE CORE)

GRADE 11                  2 CREDITS                  2 TERMS

English III emphasizes the three types of writing such as narratives, persuasive, argumentative and informational writing. 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 College Prep, College Literature and/or AP Composition.

**JOURNALISM: 7053, 7054**

GRADES 9-12                  2 CREDITS                  2 TERMS

Students in journalism will be provided an opportunity different than other language arts classes because it focuses on sharing stories through writing, photography, and design. Students interested in exploring English-related career pathways now have a chance to dive into the various parts of the journalism industry. They will look at fundamental concepts behind print, broadcast, advertising, and Internet sectors. Additionally, learned practices will be put to use through the completion of the school yearbook, another major component of this year-long class.

**LIFE SKILLS ENGLISH 17015, 17016**

Prerequisite: Teacher approval                  (NON-COLLEGE CORE)

GRADES 9-12                  1-2 CREDITS                  2 TERMS

Life Skills-English is designed to develop an understanding of reading, comprehension, and utilizing written language. These skills correlate with life skills needed during their high school career as well as with their post-secondary transition. Students will utilize these skills in a variety of ways.

**NOVELS: 7050**

(COLLEGE CORE)

GRADES 9-12                  1 CREDIT                  1 TERM

Novels is a literature elective, a one semester English course, offered to 9<sup>th</sup>-12<sup>th</sup> 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.

**SPEECH: 7100**

(COLLEGE CORE)

GRADES 11-12

1 CREDIT

1 TERM

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, and impromptu speaking. A strong emphasis is placed on verbal and nonverbal communication. This is a required, one semester course.

## MATHEMATICS COURSE DESCRIPTIONS

### **ALGEBRA I: 4033, 4034**

(COLLEGE CORE)

2 CREDITS                  2 TERMS

This course will focus on the study of the literal numbers and operations performed with them to solve equations. Students will be encouraged to write equations to solve real-world problems. An emphasis of the course will be on functions: finding numerical values, writing rules, graphing, and transformations with the graphs.

### **ALGEBRA II: 4043, 4044**

Prerequisite: Algebra I and Geometry                  (COLLEGE CORE)

2 CREDITS                  2 TERMS

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.

### **AP CALCULUS-AB: 4023, 4024**

Prerequisite: Trig./Pre-Calculus                  (COLLEGE CORE)

2 CREDITS                  2 TERMS

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, derivatives, integrals, the application of derivatives and integrals, and basic differential equations. 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 course is designed to be taken after Trig/Pre-Calculus. Calculus is not a prerequisite for this course but can be taken prior to taking this course. This class prepares students for the AP exam and those scoring a 3, 4, or 5 may receive college credit. Students who complete and pass the course will receive a weighted grade.

### **AP CALCULUS-BC: 4028, 4029**

Prerequisite: AP Calculus AB                  (COLLEGE CORE)

GRADES 11-12                  2 CREDITS                  2 TERMS

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 advanced integration techniques, infinite series, parametric, polar and vector functions. 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 course is designed to be taken after Trig/Pre-Calculus. Calculus and AP Calculus AB are not prerequisites for this course but are recommendations for courses taken prior to taking this course. **This class prepares students for the AP exam and those scoring a 3, 4, or 5 may receive college credit. Students who complete and pass the course will receive a weighted grade.**

### **AP STATISTICS: 4121, 4122**

Prerequisite: Algebra II                  (COLLEGE CORE)

2 CREDITS                  2 TERMS

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 who complete and pass the course will receive a weighted grade.**

### **CALCULUS: 4013, 4014**

Prerequisite: Trig. /Pre-Calculus                  (COLLEGE CORE)

2 CREDITS                  2 TERMS

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.

**GEOMETRY: 4003, 4004**

Prerequisite: Algebra I (COLLEGE CORE)

2 CREDITS 2 TERMS

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.

**LIFE SKILLS MATH 4055, 4056**

Prerequisite: Teacher approval (NON-COLLEGE CORE)

GRADES 9-12 1-2 CREDITS 2 TERMS

Life Skills - Math is designed to develop and improve students' math skills. Major emphasis will be placed on the areas of money, telling time, and basic math facts. Community outings will be utilized to reinforce these skills.

**PROBABILITY & STATISTICS: 4125**

Prerequisite: Algebra II (COLLEGE CORE)

1 CREDIT 1 TERM

Stats will cover the following topics: Tabular and graphical presentation, measures of central tendency and variation, probability rules, standard elementary procedures involving the binomial, normal, student's T and chi-square distributions, correlation, regression, linear regression and using sample statistical data to make predictions about population parameters. Graphing calculators will be used extensively in this course.

**TRIGONOMETRY/PRE-CALCULUS: 4103, 4104**

Prerequisite: Algebra II (COLLEGE CORE)

2 CREDITS 2 TERMS

Trig/Precalculus is an in-depth continuation of Algebra 2 and a precursor to Calculus courses. The course reviews most of the concepts learned in Algebra 2 and extends them into more advanced problems. Those topics are analyzing functions, exponential functions, logarithms, radical functions, rational functions, conic sections, right triangle trigonometry, the Unit Circle, and analytic trigonometry. Other topics introduced in this course are vectors, matrices, systems of equations and inequalities, parametric equations and the polar coordinate system.

**SCIENCE COURSE DESCRIPTIONS****ANATOMY & PHYSIOLOGY: 5123, 5124**

Prerequisite: Biology or AP Biology (COLLEGE CORE)

2 CREDITS 2 TERMS

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 various dissections.

**AP BIOLOGY: 14519, 14520**

Prerequisite: Chemistry or Chemistry I (COLLEGE CORE)

2 CREDITS 2 TERMS

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, 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 complete and pass the course will receive a weighting of one point on their GPA.**

AP CHEMISTRY: 5103, 5104

Prerequisite: Chemistry, Chemistry I and II, Algebra II (COLLEGE CORE)

**2 CREDITS**      **2 TERMS**

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 complete and pass the course will receive a weighting of one point on their GPA.

AP ENVIRONMENTAL SCIENCE: 5013, 5014

(NOT AVAILABLE FOR THE 2022-2023 SCHOOL YEAR)

Prerequisite: Biology (COLLEGE CORE)

2 CREDITS                                    2 TERMS

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 complete and pass the course will receive a weighting of one point on their GPA.**

AP PHYSICS I: 5061, 5062

Co-requisite: Trig/Pre-Calc or higher (COLLEGE CORE)

**2 CREDITS**

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 complete and pass the course will receive a weighting of one point on their GPA.

**BIOLOGY: 5033, 5034**

(COLLEGE CORE)

**GRADES 10**      **2 CREDITS**      **2 TERMS**

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)

**Botany I: 5113**

**GRADES 10-12**      **1 CREDIT**      **1 TERM**

This course is offered to students interested in gaining knowledge and skills in several areas of botany. Instruction will be provided in basic plant science including horticulture careers, plant structure, propagation, and greenhouse management. The major focus of the class is to understand how to successfully reproduce and care for a variety of plants, from seeds to cloning techniques, students will work with and care for their own plants on a regular basis. The class will be taught using classroom work, along with greenhouse duties mainly consisting of planting, watering, fertilizing, and caring for plants. Field trips may also be a part of this class. Botany I and II can be taken in any order, and students may take one course or both.

Botany II: 5114

**GRADES 10-12**      **1 CREDIT**      **1 TERM**

This course is offered to students interested in gaining knowledge and skills in the several areas of botany. Instruction will be provided in basic plant science including plant grafting, succulent dish gardens, bonsai, and tropical house plants.

Additionally, there will be units on shrubs and trees, bedding (flower bed) plants, perennials, lawn care and vegetable gardening. The class will be taught using classroom work, along with greenhouse duties mainly consisting of planting, watering, fertilizing, and caring for plants. This course also traditionally prepares production plants for a Spring Plant Sale. Field trips may also be a part of this class. Botany I and II can be taken in any order, and students may take just 1 course or both.

**CHEMISTRY: 5073, 5074**

Prerequisite: Algebra I (COLLEGE CORE)

GRADES 10-12 (available to class of 2023 and 2024 only) 2 CREDITS 2 TERMS

Chemistry is the study and investigation of the structure and properties of matter. Investigation is a key part of chemistry and will be emphasized during class study. Many hands-on and exploratory activities will be utilized during the course and students will be asked to observe, analyze, apply, and evaluate results based on prior/given knowledge.

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

**CHEMISTRY I: 5075**

(COLLEGE CORE)

GRADE 9 (available to class of 2025 and beyond) 1 CREDIT 1 TERM

This course is the first of a year-long sequence, along with Physics I. In Chemistry I, students will use science practices to figure out how and why matter interacts with its surroundings. Specific topics include the particle model of matter, energy in chemical systems, the nature of bonding, and chemical reactions.

**Chemistry II: 5076****(AVAILABLE BEGINNING 2023-2024 SCHOOL YEAR FOR THE CLASS OF 2025 AND BEYOND)**

Prerequisite: Chemistry I, Algebra I (COLLEGE CORE)

GRADES: 10-12 1 CREDIT 1 TERM

In Chemistry II, students will use science practices to build upon the content knowledge and skills developed in the Chemistry I course to engage in scientific investigation design and analysis. Specific topics include stoichiometry, gas laws, and acids and bases.

**EARTH AND ENVIRONMENTAL SCIENCE****(AVAILABLE BEGINNING 2023-2024 SCHOOL YEAR FOR THE CLASS OF 2025 AND BEYOND)**

Prerequisite: Biology, Chemistry I, Physics I

GRADES: 11-12 1 TERM

This course focuses on providing students with scientific principles and concepts to understand the interrelationships of the natural world/universe and how humans impact the natural world. This course will cover the following topics: the universe, Earth formation, Earth processes, human impact on climate change, and sustainability.

**INTRODUCTION TO ENGINEERING AND DESIGN (IED)****(NOT AVAILABLE FOR THE 2022-2023 SCHOOL YEAR)**

(COLLEGE CORE)

GRADES: 9-10 2 CREDITS 2 TERMS

The goal of this course is to introduce students to engineering practices and design processes. Students will engage in the PLTW designed curriculum for this course, which will ask students to use Fusion 360 software, 3D printers, and numerous other pieces of technology to learn about the engineering process. Students will also be introduced to different careers in the engineering field. Students will end the course by taking the PLTW course assessment.

**LIFE SKILLS SCIENCE: 5205, 5206**

Prerequisite: Teacher approval (NON-COLLEGE CORE)

GRADES 9-12 1-2 CREDITS 2 TERMS

Life Skills – Science allows students to explore a variety of science topics. It is designed to allow students to investigate using the process of scientific inquiry. Skills will correlate with life skills needed during their high school career as well as with their post-secondary transition. Students will utilize these skills in a variety of ways.

**PHYSICS: 5063, 5064**

Co-requisite: Algebra II or higher (COLLEGE CORE)

Grades 11-12 (available to class of 2023 and 2024 only) 2 CREDITS 2 TERMS

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 situations.

**PHYSICS I: 5068**

(COLLEGE CORE)

GRADE 9 (available to class of 2025 and beyond)      1 CREDIT      1 TERM

This course is the second of a year-long sequence, along with Chemistry I. In Physics I, students will use science practices to figure out how and why objects move and change. Specific topics include energy in physical systems, motion, forces, electricity and magnetism, and the history of science.

**PHYSICS II: 5069**

**(AVAILABLE BEGINNING 2023-2024 SCHOOL YEAR FOR THE CLASS OF 2025 AND BEYOND)**

Prerequisite: Physics I, Algebra II    (COLLEGE CORE)

GRADES 10-12      1 CREDIT      1 TERM

This course dives deeper into the content knowledge and skills developed in the Physics I course. Physics II topics include representations of motion (distance, displacement, velocity, & acceleration), forces, circular motion, projectile motion, momentum, energy, & power. Students will use and develop skills of data and graphical analysis and calculations. Various labs are used to gather data in order to model and problem solve real world physical situations.

**PRINCIPLES OF ENGINEERING (POE)**

Prerequisites: Introduction to Engineering and Design, Physics I, and Algebra I    (COLLEGE CORE)

GRADES: 10-12      2 CREDITS      2 TERMS

The goal of this course is to further students' knowledge of engineering practices learned in Introduction to Engineering and Design. This course involves more math and physics than IED and will enhance students' prior knowledge of engineering and design process, which will allow students to test their skills acquired in the IED course.

## SOCIAL STUDIES COURSE DESCRIPTIONS

### **AMERICAN GOVERNMENT: 6100**

(COLLEGE CORE)

GRADE 12            1 CREDIT            2 TERMS

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            2 CREDITS            2 TERMS

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 complete and pass the class will receive a weighting of one point on their GPA.**

### **AP US HISTORY: 6061, 6062**

(COLLEGE CORE)

GRADES 11-12            2 CREDITS            2 TERMS

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 complete and pass the class will receive a weighting of one point on their GPA. This class is offered as a concurrent credit class with DMACC's HIS151: US History to 1877 and HIS152: US History Since 1877. A student who finishes this course will receive 6 DMACC credits.**

**AP WORLD HISTORY 6063, 6064**

(COLLEGE CORE)

GRADES 10-12      2 CREDITS

2 TERMS

DMACC Concurrent

This course is highly recommended for all those who plan to attend college, go on to study other AP courses at DCG including AP US History, or those with a strong interest in history. **Please note: This course meets both the World Geography and World History requirements for graduation. This course can be taken in place of World Geography or Western Civ or in addition to depending on your interest.** The purpose of the AP World History course is to develop a 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 includes units on ancient history, medieval times, and the modern period. 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.

**Students who complete and pass the class will receive a weighting of one point on their GPA. This class is offered as a concurrent credit class with DMACC's HIS 110- Western Civ: Ancient to Early Modern and HIS 111-Western Civ: Early Modern to Present (3 credits each semester). A student who finishes this course will receive 6 DMACC credits; the AP exam is not required for these credits and they meet core requirements for DMACC and many colleges and universities. This class prepares students for the AP exam and those scoring a 3, 4, or 5 may receive college credit in addition to those provided by DMACC. Students are responsible for the exam fee. Check your college of interest for more information..**

**CURRENT ISSUES: 6080**

(COLLEGE CORE)

GRADES 9-12      1 CREDIT

1 TERM

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.

**ECONOMICS: 6092**

(COLLEGE CORE)

GRADES 10-12      1 CREDIT

1 TERM

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.

**LIFE SKILLS SOCIAL STUDIES: 6503, 6504**

Prerequisite: Teacher approval      (NON-COLLEGE CORE)

GRADES 9-12      1-2 CREDITS      2 TERMS

Life Skills – Social Studies allows students to explore a variety of social studies topics. It is designed to allow students to investigate culture and human interaction. Skills will correlate with life skills needed during their high school career as well as with their post-secondary transition. Students will utilize these skills in a variety of ways.

**PSYCHOLOGY: 6131**

(COLLEGE CORE)

GRADES 10-12      1 CREDIT

1 TERM

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.

**RECENT HISTORY: 6090****(NOT AVAILABLE FOR THE 2022-2023 SCHOOL YEAR)****(NON-COLLEGE CORE)**

GRADES 9-12            1 CREDIT            1 TERM

Recent History will deal with events of the world and the United States as they relate to young people and the world they live in. There will be an emphasis on news events as they happen. Students will be expected to stay current with these events through TV news, newspapers, and periodicals. Students will be asked to create journals of news from time to time with personal reflections on articles collected. Students will be introduced to the difference between news and editorials, and be required to write examples of their own for each. In addition to breaking news of the semester, students will study units on the following: the rise and fall of communism, the United Nations, the political spectrum and modern political parties, the U.S. Supreme Court, terrorism, the civil rights movement, and personalities of the 20th century. Students will be expected to be active and involved in frank and straightforward class discussion on a variety of topics. They will also be asked to do various projects dealing with the assigned work.

**SOCIOLOGY: 6071****(COLLEGE CORE)**

GRADES 9-12            1 CREDIT            1 TERM

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.

**US HISTORY: 6003, 6004****(COLLEGE CORE)**

GRADES 11-12            2 CREDITS            2 TERMS

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. Topics covered in this course include Westward Expansion, Industrialization and Immigration, the Progressive Era, Imperialism, World War I, the Roaring 20s, the Great Depression and New Deal, World War II, the Cold War, the Civil Rights Movement, the Vietnam War, the 1960s & 70s, and American life post Cold War.

**WESTERN CIVILIZATIONS - AGE OF EXPLORATION TO TODAY: 6052****(COLLEGE CORE)**

GRADES 9-12            1 CREDIT            1 TERM

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.

**WORLD GEOGRAPHY : 6031****(COLLEGE CORE)**

GRADES 9-12            1 CREDIT            1 TERM

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.

## **WORLD LANGUAGE COURSE DESCRIPTIONS**

### **FRENCH I: 11003, 11004**

(COLLEGE CORE)

GRADES 9-12            2 CREDITS            2 TERMS

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**

Prerequisite: French I or Teacher Approval (COLLEGE CORE)

GRADES 9-12            2 CREDITS            2 TERMS

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**

Prerequisite: French II or Teacher Approval (COLLEGE CORE)

GRADES 10-12            2 CREDITS            2 TERMS

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 imperfect 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**

Prerequisite: French III or Teacher Approval (COLLEGE CORE)

GRADES 11-12            2 CREDITS            2 TERMS

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 numerous verb tenses. 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**

(COLLEGE CORE)

GRADES 9-12            2 CREDITS            2 TERMS

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. Students will learn about different cultural perspectives of Spanish speaking countries.

### **SPANISH II: 11053, 11054**

Prerequisite: Spanish I or Teacher Approval (COLLEGE CORE)

GRADES 9-12            2 CREDITS            2 TERMS

This course includes verb tenses (preterite, imperfect and commands) and expanded vocabulary. Beginning reading selections and the writing of short compositions will be included. Students will learn about different cultural perspectives of Spanish speaking countries.

**SPANISH III: 16876, 16904**

Prerequisite: Spanish II or Teacher Approval (COLLEGE CORE)

GRADES 10-12            2 CREDITS            2 TERMS

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. Students will learn about different cultural perspectives of Spanish speaking countries.

**SPANISH IV: 16877, 16906**

Prerequisite: Spanish III or Teacher Approval (COLLEGE CORE)

GRADES 11-12            2 CREDITS            2 TERMS

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. Students will read an abridged version of Don Quijote de la Mancha in the second semester. Students will learn about different cultural perspectives of Spanish speaking countries.

## **AGRICULTURE EDUCATION COURSE DESCRIPTIONS**

*Enrollment in an agricultural course is required to join FFA.*

### **AGRICULTURE BUSINESS MANAGEMENT: 3034**

GRADES 11-12            1 CREDIT            1 TERM

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.

### **AGRISCIENCE I: 3013**

GRADES 9-12            1 CREDIT            1 TERM

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 9-12            1 CREDIT            1 TERM

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.

### **AGRONOMY AND SOIL SCIENCE: 3033**

GRADES 11-12            1 CREDIT            1 TERM

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.**

### **INTRO TO ANIMAL MANAGEMENT: 3004**

GRADES 9-12            1 CREDIT            1 TERM

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.

### **INTRODUCTION TO AGRICULTURE: 3003**

GRADES 9-12            1 CREDIT            1 TERM

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 ship, greenhouse and at the 20 acres crop test plot. Students will also be introduced to Animal Science.

**NATURAL RESOURCES: 3024**

GRADES 9-12                  1 CREDIT                  1 TERM

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.

**SURVEY OF THE ANIMAL INDUSTRY: 3035**

GRADES 10-12                  1 CREDIT                  1 TERM

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. **This class is offered as a concurrent enrollment class with DMACC's AGS 114 Survey of Animal Industry. A student who finishes this course will receive 2 DMACC college credits with the letter grade they earn.**

## **ART COURSE DESCRIPTIONS**

### **ADVANCED ART COURSES (Independent Art, Ceramics/Drawing/Painting III/IV)**

Prerequisite: Teacher Approval

GRADES 11-12            1 CREDITS            1 TERM

Students interested in advanced level classes past those listed below in painting, drawing, and ceramics, as well as independent art, may talk with counselors or art instructors for further information.

#### **ART I: 12033**

GRADES 9-12            1 CREDIT            1 TERM

Art I is a basic studio exploratory course. This course is intended to help students determine what area(s) of future art classes they would like to pursue. Students are exposed to various art media in the areas of drawing, painting, and ceramics. Art concepts such as composition, color theory, aesthetics, critique, and self-assessment are addressed.

#### **ART APPRECIATION: 13621**

GRADES 11-12            1 CREDIT            1 TERM

This is the recommended course for 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 of visual art and its social importance throughout history, as well as its impact on the student's real world application of art. **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.**

#### **CERAMICS I: 15861**

Prerequisite: Art I

GRADES 9-12            1 CREDIT            1 TERM

Ceramics I is the introductory level class to ceramic art. Students will explore pinch, coil and slab hand building methods. Students will also begin wheel throwing. Emphasis will be placed on the fundamentals of building ware with time also spent on decorating the surface. Students will investigate 3-D design through additive and subtractive methods of sculpture. Continues the study and use of art principles/elements as well as critique and self-assessment..

#### **CERAMICS II: 12103**

Prerequisite: Ceramics I

GRADES 10-12            1 CREDIT            1 TERM

Ceramics II is a continuation of Ceramics I. Focus is placed on working with hand building and wheel throwing techniques with an expanded surface design component. Students will further expand the use of ceramics as a sculptural media. Continues the study and use of art principles/elements as well as critique and self-assessment. **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.**

#### **DRAWING I: 12072**

Prerequisite: Art I

GRADES 9-12            1 CREDIT            1 TERM

Drawing I explores various drawing media including ink, chalk pastel, oil pastel, charcoal and graphite. Students will be working on various subject matter with an emphasis on value, proportion, and self-expression. Continues the study and use of art principles/elements as well as critique and self-assessment.

**DRAWING II: 12075**

Prerequisite: Drawing I

GRADES 10-12            1 CREDIT            1 TERM

Drawing II expands on the basics of Drawing I. Students will focus on building technical skills along with self-expression. The class will also focus on composition skills and various drawing techniques. Continues the study and use of art principles/elements as well as critique and self-assessment. **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.**

**GRAPHIC DESIGN: 12051**

Prerequisite: Art I

GRADES 9-12            1 CREDIT            1 TERM

Graphic design covers the basic use of photoshop and illustrator. Students will practice using principles of art to solve design problems. Continues the study and use of art principles/elements as well as critique and self-assessment.

**PAINTING I: 14917**

Prerequisite: Art I

GRADES 9-12            1 CREDIT            1 TERM

Painting I covers the painting media of acrylic and watercolor. Curriculum will cover value color mixing, and composition. Continues the study and use of art principles/elements as well as critique and self-assessment.

**PAINTING II: 12068**

Prerequisite: Painting I

GRADES 10-12            1 CREDIT            1 TERM

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. Continues the study and use of art principles/elements as well as critique and self-assessment. **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.**

**SCULPTURE: 12130**

Prerequisite: Art I

GRADES 9-12            1 CREDIT            1 TERM

In this course, students will explore various three-dimensional techniques. Wire, clay, cardboard, plaster, foam, and other media will be implemented. There will be an emphasis on craftsmanship and ingenuity to plan successful designs. Continues the study and use of art principles/elements as well as critique and self-assessment.

## **BUSINESS EDUCATION COURSE DESCRIPTIONS**

*Enrollment in a business course is required to join DECA.*

### **ACCOUNTING: 14033, 14034**

GRADES 11-12            2 CREDITS            2 TERMS

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.**

### **BUSINESS COMPUTER APPLICATIONS: 14002**

GRADES 9-12            1 CREDIT            1 TERM

Students will use Microsoft Office software package that contains a combination of software applications to create text documents, analyze numbers, create presentations, manage large files of data, and create professional marketing tools. Students will learn to share data between applications of Word, Excel, and PowerPoint.

### **BUSINESS LAW: 14052**

GRADES 11-12            1 CREDIT            1 TERM

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.

### **ENTREPRENEURSHIP: 14073**

GRADES 10-12            1 CREDIT            1 TERM

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.**

### **INTRODUCTION TO BUSINESS: 14022**

GRADES 9-12            1 CREDIT            1 TERM

This class covers an array of topics and concepts related to the field of business. Concepts introduced are banking and finance, checking and savings accounts, bank services, how credit works, investing and management of money at the business and personal level including the stock market, insurance (auto, homeowners, health, and life), and a brief overview of the American economic system.

### **MARKETING: 14026**

GRADES 9-12            1 CREDIT            1 TERM

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            1 TERM

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. **This class is offered as a concurrent credit class with DMACC's MKT 140. A student who finishes this course will receive 3 DMACC college credits with the letter grade they earn.**

**SPORTS AND ENTERTAINMENT MARKETING: 14025**

GRADES 9-12            1 CREDIT            1 TERM

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.

## FAMILY AND CONSUMER SCIENCE COURSE DESCRIPTION

### CHILD DEVELOPMENT/PARENTING: 2012

GRADES 10-12      1 CREDIT      1 TERM

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.

### CULINARY ARTS I: 2051

GRADES 10-12      1 CREDIT      1 TERM

Culinary Arts I 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 I

GRADES 10-12      1 CREDIT      1 TERM

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.

### DAILY LIVING SKILLS: 2035, 2036

Prerequisite: Teacher approval      (NON-COLLEGE CORE)

GRADES 9-12      1-2 CREDITS      2 TERMS

Daily Living Skills is designed to provide living skills to prepare the student for postsecondary transition. The emphasis of this course includes personal safety, community leisure and participation skills, money management, household management, career exploration, personal health needs, and employability and work skills. Students will learn how to communicate and work productively with others, incorporating different perspectives and cross-cultural understanding, to increase innovation and quality of work.

### EARLY CHILDHOOD: 2014

(NOT AVAILABLE FOR THE 2022-2023 SCHOOL YEAR)

Prerequisite: Child Development

GRADES 10-12      1 CREDIT      1 TERM

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 9-12      1 CREDIT      1 TERM

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.

### HOUSING AND INTERIOR DESIGN: 2010

GRADES 9-12      1 CREDIT      1 TERM

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            1 TERM

This elective one semester course is designed to go in-depth on the topics of career/college exploration, along with home and personal finance. Topics to be researched, discussed, and put into practice: self-discovery, goal setting, career research, 2 job shadows, financial literacy, health and wellness, postsecondary options, moving out, and volunteerism.

**INTRODUCTION TO FCS: 2037**

GRADES 9            1 CREDIT            1 TERM

During the semester students will explore a wide range of topics pertaining to human resources and development through activities and hands-on projects. Family and Consumer Science units of study may include personal development and goal setting; stages of development; communication and conflict resolution skills; developing positive relationships; sewing; interior design; wise decision making skills; healthy lifestyles; teens and the law; violence in society; and substance abuse and addiction.

**LIFE SKILLS FAMILY CONSUMER SCIENCE: 2045, 2046**

Prerequisite: Teacher approval        (NON-COLLEGE CORE)

GRADES 9-12            1-2 CREDITS            2 TERMS

Life Skills - Family Consumer Science allows students to explore a variety of skills correlated with life skills needed for independent living and personal health. Students will practice developing a variety of menus and planning, preparing, and serving meals. This course will also include decision-making for a healthy lifestyle.

**TRANSITION EXPERIENCE: 2055**

Prerequisite: Teacher Approval

GRADES            1-2 CREDITS            2 TERMS

Transition Experience is designed to allow students to explore a variety of community experiences, including different school, work, community, and leisure settings of interest as well as learn about the roles and responsibilities in those environments. Students will learn about the skills required in those settings and practice applying the skills necessary to build post-secondary skills including adaptability, flexibility, and problem-solving. This class is a practical approach to necessary information and skill building for a successful transition from school to post-secondary life.

## **INDUSTRIAL TECHNOLOGY COURSE DESCRIPTIONS**

### **ADVANCED METALWORKING: 13101**

Prerequisite: Welding

GRADES 10-12            1 CREDIT            1 TERM

Students will expand on their knowledge and skills of metalworking in this course. Operations will include machining, welding, bending, forming and cutting metal. The goal of this course will be for students to choose a specific problem(s) to solve by designing and building a product(s) to meet specific criteria set forth at the beginning of the project. Students may be asked to provide the metal for larger projects or multiple smaller projects of their choice.

### **ADVANCED WOODS: 13062**

Prerequisite: Woods

GRADES 10-12            1 CREDIT            1 TERM

This class builds off the skills learned in Woods class. Students will have the opportunity to build a project of their own, using material they provide. This project will help students to understand all aspects of production, from design, research, layout, producing parts, assembly, finish, and overall production quality.

### **INTRODUCTION TO CONSTRUCTION: 13067**

GRADES 9-12            1 CREDIT            1 TERM

Intro to Construction introduces students to the field of construction trades. This course will include in-class work and project-based lessons around the following construction techniques: basic electrical wiring, drywall installation and patching, basic home maintenance repair, and general construction.

### **WELDING: 13100**

GRADES 9-12            1 CREDIT            1 TERM

This course will involve processes to learn basic welding, bending, cutting, machining and shaping processes. Students will learn skills and knowledge through hands-on approach to both problem solving and project development. Projects may include a sheet metal tool box, slag hammer, burr puzzle, spinning top and a harbor bell.

### **WOODS: 13061**

GRADES 9-12            1 CREDIT            1 TERM

Introduces students to the wide variety of techniques in the construction industry, by using woodworking projects. Students will learn about safety, measurement, blueprint reading, use of hand tools, and power tools. Students will be exposed to small individual projects that will support their skills in measuring, shop math, layout, and safety in a shop setting.

## MUSIC COURSE DESCRIPTIONS

### **BAND: 9013, 9014**

GRADES 9-12            2 CREDITS            YEAR-LONG SKINNY

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 contests, 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.

### **BASS CLEF CHOIR: 9041, 9042**

GRADES 9-12            2 CREDITS            YEAR-LONG SKINNY

This is a non-auditioned bass clef choir for all students in grades 9-12 that meets every day. Students in this choir will learn basics of singing technique and music literature. Students will perform beginning and standard level bass clef choir literature throughout the year. Students will perform in a minimum of 4 concerts per school year. Students may participate in IHSMA Solo and Small Group Contest. Students in this choir are expected to have a minimum of one voice lesson per quarter.

### **BELLA VOCE SINGERS: 90011, 90012**

Prerequisite: Auditioned

GRADES 10-12            2 CREDITS            YEAR-LONG SKINNY

This is an Advanced Treble Choir offered to HS students that meets every day. Members of this ensemble will participate in IHSMA Solo and Small Group Contest and participate in a minimum of 4 concerts per year. The group will work on advanced singing techniques and music literature. This group may be asked to perform at informal performances in the community. Singers in this choir will sing advanced high school and college level literature. Students in this choir are expected to have a minimum of one voice lesson per quarter

### **CONCERT CHOIR: 9010, 9011**

Prerequisite: Auditioned

GRADES 10-12            2 CREDITS            YEAR-LONG SKINNY

This is an auditioned choir for singers in high school that meets every day. Members of the choir have the option of participating in IHSMA Solo and Small Group Contest and will perform in a minimum of 4 concerts per school year. The group will work on advanced singing techniques and music literature. This group will perform standard to advanced high school level literature. Students in this choir are expected to have a minimum of one voice lesson per quarter.

### **DC-G SINGERS: 9006, 9007**

Prerequisite: Auditioned

GRADES 10-12            2 CREDITS            YEAR-LONG SKINNY

This will be the most advanced ensemble offered to HS students. This choir meets every day during 5th Period. Members of this ensemble will audition for All-State, participate in IHSMA Solo and Small Group Contest, and participate in a minimum of 6 concerts per school year. The group will work on advanced singing techniques and music literature. Singers in this ensemble will sing college level literature. This group is the flagship group of the program and may be asked to sing at assemblies or community events. Students in this choir are expected to have a minimum of one voice lesson per quarter.

**MUSIC THEORY: 9021, 9032**

Prerequisite: Current participation in Band or Choir

GRADES 11-12            2 CREDITS            2 TERMS

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.

**PEER MUSIC: 90010**

Prerequisite: Application and Teacher Approval

GRADES 10-12            1 CREDIT            1 TERM

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.

**TREBLE CLEF CHOIR: 9015, 9016**

GRADES 9-12            2 CREDITS            YEAR-LONG SKINNY

This is a non-auditioned treble clef choir for all students in grades 9-12 that meets every day. Students in this choir will learn basics of singing technique and music literature. Students will perform beginning and standard level treble choir literature throughout the year. Students will perform in a minimum of 4 concerts per school year. Students may participate in IHSMA Solo and Small Group Contest. Students in this choir are expected to have a minimum of one voice lesson per quarter.

## **PHYSICAL EDUCATION COURSE DESCRIPTION**

### **FOUNDATIONAL STRENGTH: 60007**

GRADES 9-12            1 CREDIT            1 TERM

Foundational Strength will provide students the opportunity to develop the foundational knowledge and general movement skill required to participate consistently and safely in a strength training program. A couple learning targets of this course include improving kinesthetic awareness, enhancing fundamental movement patterns, and developing proper technique of strength training exercises. Students will learn various concepts such as basic anatomy & physiology, performance nutrition, and safety considerations that are necessary for participation in a strength training program. Students will have the opportunity to train on a periodized, developmentally-appropriate program in a safe learning environment with their peers. Additionally, this course is closely aligned with the DCG Athletic Performance program.

### **LIFETIME ACTIVITIES: 60001, 60002**

GRADE 9-12            1 CREDIT            1 TERM

The goal of Lifetime Activities class is to promote a healthy, active lifestyle while promoting the enjoyment of physical activity. Students can expect to work in small groups/teams and individually. This class will teach various strategies and activities to be physically active outside/after your time at DC-G. Activities may include, but are not limited to: Disc Golf, Ping Pong, Yoga, Badminton, Tennis, Kickboxing, and Resistance Training. **Students need one period of PE each year to fulfill PE requirements.**

### **PEER PHYSICAL EDUCATION: 10035**

Grades 9-12            0.5 CREDIT            1 TERM

Application and Teacher Approval

Peer PE provides an opportunity for differentiation in physical education. To be accepted into this course, you must complete an application and have a willingness to work closely with classmates in a differentiated setting. This adaptive physical education course pairs peer helpers with peers to participate cooperatively in a physical education environment. Students wishing to be enrolled in this course will help facilitate a safe, positive experience for adaptive PE students. Please see Mr. Lewis or Mrs. Lindeque with any questions or to request more information.

### **STRENGTH & SPEED: 60005**

GRADES 10-12            1 CREDIT            SEMESTER

Strength & Speed will provide students the opportunity to train consistently to develop specific physical capabilities while learning advanced concepts & principles of strength training. Students will expand upon their knowledge gained during the Foundational Strength course to enhance skill-related components of fitness, reduce the overall risk of injury, and improve athletic potential. Strength & Speed focuses on developing a collaborative environment in which students work together to establish proficiency in strength training technique and the learning of advanced movement patterns. Students will use the acquired learning in the development of their own individualized training program. Additionally, this course is closely aligned with the DCG Athletic Performance program.

### **TEAM SPORTS: 60003, 60004**

GRADES 9-12            1 CREDIT            1 TERM

Team Sports will promote teamwork and collaboration while developing physical fitness and promoting a healthy, active lifestyle. Various concepts and strategies related to competitive sports games will be introduced.

Activities may include, but are not limited to: Volleyball, Basketball, Pickleball, Lacrosse, Spikeball, Frisbee Games, and Tchoukball. **Students need one period of PE each year to fulfill PE requirements.**

#### **DC-G PE Exemptions (seniors only):**

- School-to-Work
- DMACC/Central Campus classes off-campus
- Waukee APEX
- PE Sports Waiver (1 semester only)
- Academic Waiver for a full course schedule

## **HEALTH COURSE DESCRIPTION**

### **HEALTH EDUCATION: 10042**

GRADE 9

1 CREDIT

1 TERM

Health has several dimensions in order to achieve a high quality of life. This includes physical health, mental health, emotional health, and social health. During this semester class students will learn to gather, understand, and use health information to improve their own health. Units: Making Healthy Decisions, Managing Stress, Food and Nutrition, Exercise and Lifelong Fitness, Personal Care, Alcohol, Tobacco, Drug Addiction, Reproduction and Heredity, Pregnancy, Childbirth, and birth control. Sexually transmitted Infections HIV/AIDS Education, first aid and CPR/AED knowledge required to graduate. This class focuses on abstinence all semester but, educates for the future.

## MISCELLANEOUS COURSE DESCRIPTIONS

### **ADVANCED COMPUTER SCIENCE: 80010, 80011**

Prerequisite: Basic Computer Science

GRADES 10-12      2 CREDITS      2 TERMS

This advanced course uses Python as a primary programming tool which aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. This course provides students with a firm foundation in problem-solving methods in computer programming and facilitates the development of good structured programming skills for solving business problems. Students will define and analyze problems, design computer solution algorithms and prove the correctness of the solution. **This class is offered as a concurrent credit class with DMACC's CIS 125. Students who complete this course will receive 3 DMACC college credits.**

### **BASIC COMPUTER SCIENCE: 8007, 8008**

GRADES 9-12      2 CREDITS      2 TERMS

Using Python® as a primary 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. 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 simulation.

### **CAREER EXPLORATION: 22007**

GRADES 10-11      1 CREDIT      1 TERM

Career Exploration courses help students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills. Students will do job shadows in career fields of their choosing. There will also be coursework related to career searches, employability skills, interviewing, and resume building. **Students will need to provide their own transportation to all job shadow opportunities.**

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

GRADES 11-12 (10 with recommendation and teacher approval)      1 CREDIT      1 TERM

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 desires a leadership position in their group, club, team, or those who just want to make our high school a better place. Each week the class will discuss a different trait, read about role models who display them, engage in activities that will reinforce them, and listen to guest speakers share personal stories that relate to the topic that week.

### **ENGLISH LANGUAGE LEARNERS (ELL) STUDY SKILLS: 17505, 17506**

Prerequisite: Teacher Approval

GRADES 9-12      0.5-1 CREDIT      SEMESTER OR YEAR-LONG

This course is aimed at those students developing proficiency in English who have a working knowledge of English and who want to continue improving their English skills. The emphasis is on developing academic language through content-based instruction and support for curricular coursework.

### **FINANCIAL LITERACY: 4111**

(NON-COLLEGE CORE)

GRADES 11-12      1 CREDIT      1 TERM

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.

**INSTRUCTIONAL METHODS: 10002**

Prerequisite: Teacher approval

GRADES 9-12            0.5-1 CREDIT            SEMESTER OR YEAR-LONG

This class provides specially designed instruction for students with individual education plans in the areas of reading, writing, math and behavioral needs. Instructional activities are delivered on a regular basis for specific periods of time. Students are also taught study skills, self-advocacy, character building and assistance for transition planning. Instructor approval is required. Time will be allowed for implementation and demonstration of acquired skills using curriculum from general education classes.

**LIFE SKILLS SCHOOL - TO - WORK: 22001, 23003**

Prerequisite: Teacher Approval        (NON-COLLEGE CORE)

GRADES 9-12            1-2 CREDITS            YEAR-LONG

Life Skills School-to-Work-is designed to allow students with an Independent Education Program the opportunity to participate in a variety of work related internship experiences both in and outside the school setting. This course is aimed at those students who need to develop basic working soft skills such as, being on-time, following a schedule, productivity, communication, completing applications, effort, and safety. Major emphasis is placed on actual experience in community businesses, interpersonal relations, appropriate work related behavior.

**PEER TUTORING: 26000**

Prerequisite: Application and Teacher Recommendation

GRADES 11-12            0.5 CREDIT            SEMESTER

Trained student tutors will support the learning in core curricular areas. After attending required training courses during the first weeks of school, student tutors will be connected with their peers in need of academic support. Tutors generally work one-on-one with another student in one of the following content areas: Math, Science, English, Social Studies, World Language. Student tutors will use their Study Hall and/or Academic Opportunities times to tutor and work with other students wanting the academic support. Student tutors gain many long-term benefits from participating as a Peer Tutor including; leadership and advocacy skills, communication skills, as well as experience in teaching and gaining a deeper understanding of the material. Upon satisfactory completion of required tutoring hours 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. If a student does not meet the required tutoring hours to earn credit, he/she may count the tutoring hours towards NHS or Silver Cord service hours.

**SCHOOL TO WORK PROGRAM: 22001, 23003**

Prerequisite: Application Required

GRADES 11-12            5 CREDITS            YEAR LONG

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 business 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. Internships can be paid or non-paid, depending on the business partner. At the completion of the yearlong course, each student will receive DMACC credits. Applicants are screened for admission. See Mr. Heitland for procedure if interested. **This class is offered as a concurrent credit class with DMACC's WBL110 and ADM 936. Students who complete this course will receive 5 DMACC college credits.**

**WEBSITE DEVELOPMENT: 8052**

GRADES 9-12            1 CREDIT            1 TERM

This Web Development course is a project-based course that teaches students how to build their own web pages. Students will learn the languages HTML and CSS, and will create their own live homepages to serve as portfolios of their creations. By the end of this semester long course, students will be able to explain how web pages are developed and viewed on the Internet, analyze and fix errors in existing websites, and create their very own multi-page websites.