



Gilbert High School Course Book

GILBERT HIGH SCHOOL

Course Offering Book 2023-2024 SCHOOL YEAR

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Class Registration

2023-2024 School Year

POINTS TO BE OBSERVED IN REGISTRATION

1. **Forty-nine total credits for the Class of 2023 and beyond are required for graduation.**

*High School Math classes taken while in Middle School count towards meeting math credit requirements for graduation.

2. With two exceptions, an academic load of 5 subjects (credits) are required each semester. Seniors may take an academic load of 4 subjects and a physical education class. **It is highly recommended students take six or seven classes plus PE per semester.**

GHS Graduation Requirements by Department

Forty-nine total credits for the Class of 2023 and beyond are required for graduation.

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

Required courses:

9th grade: English 9 or Honors English 9	2 credits
10th grade: English 10 or Honors English 10	2 credits
11th grade	2 credits
Option 1: English 11 or	
Option 2: DMACC Lit 151/111 or	
Option 3: AP Lit	
Elective: Individualized Literature	
12th grade	2 credits
Option 1: Either first or second semester English 12 is required	
First or second semester Senior Composition OR Individualized Literature is required	
Option 2: DMACC Eng 105/106	
Option 3: AP Lang & Comp	

- - Math - 6 credits required - -

Required courses:

Algebra I or Algebra I A, B, C	2 or 3 credits
Geometry or Geometry A, B, C	2 or 3 credits
Algebra II or Applied Algebra*	2 credits

Elective Courses

Advanced Math	AP Calculus	Math Applications*	Statistics
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- - Social Studies - 6 credits required - -

Required courses:

World History	2 credits
American History	2 credits
American Government	1 credits

Elective Courses

Current Events	Economics	Geography	Psychology	Sociology
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- - Science - 6 credits required - -

Required courses:

Physical Science/Accelerated Physical Science	2 credits
Biology/Accelerated Biology	2 credits

Elective Courses

Agricultural Science*	Anatomy & Physiology	Animal Science*	Chemistry
Forensic Science*	Horticultural Science*	Physics	

- - ADDITIONAL REQUIREMENTS - -

- - Physical Education	Must be enrolled in a PE class each semester
- - Health	1 credit
- - Financial Literacy	1 credit

Please note: classes with an * do not count toward the Iowa Regents Admission Index. Please see page 38 for more information.

9th Grade Requirements

ENGLISH

English 9	Grade 9	1st and 2nd semester	1 credit/semester
Honors English 9	Grade 9	1st and 2nd semester	1 credit/semester

SCIENCE

Physical Science	Grade 9	1st and 2nd Semester	1 credit/semester
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Accelerated Physical Science	Grade 9	1st and 2nd Semester	1 credit/semester
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The content focus of this course is consistent with the Physical Science course. Students will explore these concepts in greater depth and the academic pace and rigor will be increased.

*Both of the below prerequisite criteria are required to take the course:

- At least three 93 or above percentile rankings out of four of the most recent District Standardized science tests.
- AND
- Minimum Cumulative GPA 3.700

MATH

Algebra I	Grade 9	1st and 2nd Semester	1 credit/semester
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***** IF YOU ARE A YEAR AHEAD IN MATH YOU ARE ELIGIBLE FOR GEOMETRY**

Geometry	Grade 9-10	1st and 2nd Semester	1 credit/semester
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Prerequisite: Algebra I

Health

Health I	Grade 9	1st or 2nd Semester	1 credit
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PHYSICAL EDUCATION

Physical Education	Grade 9	1st Semester	1 Credit
Strength and Conditioning	Grades 9	2 nd Semester	1 Credit

FINANCIAL LITERACY

*** This credit may be fulfilled at any time in grades 9-12 (it is encouraged to complete prior to Senior Year)

Life Skills	Grade 9-12	1st or 2nd Semester	1 credit
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This semester class is designed to prepare students to live on their own in the adult world and provide them with the decision-making and management skills to be successful.

9th Grade Electives

*******plan for 3 a semester- STUDY HALL IS A NON CREDIT COURSE**

AGRICULTURE

Introduction to Agriculture	Grade 9-12	1st Semester	1 credit
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Explore the world of agriculture in a semester course which presents students with the foundations of animal science, soil conservation, plant sciences, and agricultural mechanics. Learning experiences include hands-on activities.

Animal Care & Production	Grade 9-12	2nd Semester	1 credit
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An in-depth look at the care and management of horses, poultry, and canines will be a focus in this course. The housing facilities, training, and equipment selection will be included in these units. Identification of livestock, reproductive technologies, meat evaluation, and food safety will round out Animal Care and Production.

Intro to Ag Mechanics	Grade 9-12	1st or 2nd Semester	1 credit
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A variety of labs will provide skills and experience for the student that wishes to explore areas of construction and mechanics in agriculture. Alternative energy sources, management and construction of machinery, designing and building fences, electric motors and controls will all be included. Students will have a chance to work in the lab building their own project during the ag construction unit.

ART

Basic Design	Grade 9-12	1st or 2nd Semester	1 credit
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Basic Design is a prerequisite for most Art courses.

This course will prepare the art student for future studio classes and provide the non-art student with design experiences, which formulate personal aesthetic choices.

Calligraphy	Grade 9-12	1st Semester	1 credit
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Basic proficiency will be developed in classic alphabets, as well as modern variations with the use of a Pilot Parallel Pen. Original and reproducible artwork will be created, with calligraphic skills applied to two-dimensional formats.

*The prerequisite of Basic Design is not required for this course.

Calligraphy 2	Grade 9-12	2nd Semester	1 credit
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Prerequisite: Calligraphy 1

Calligraphy 2 is a course designed to utilize the skills learned in Calligraphy 1. Emphasis will be on the use of the Pilot Parallel Pen and brush techniques. Students will advance their techniques with new alphabets and develop an original alphabet on their own.

*The prerequisite of Basic Design is not required for this course.

Drawing and Painting 1	Grade 9-12	1st Semester	1 credit
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Prerequisite: Basic Design

Students will explore a variety of drawing and painting techniques and media, working with sketchbooks, still life references, original ideas and more. After developing a strong base of drawing the class will then spend the semester painting.

BUILDING TRADES

Explorations in the Building Trades I	Grade 9-12	1st Semester	1 credit
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This course provides instruction and practice with electrical, framing, roofing, siding.

Explorations in the Building Trades II	Grade 9-12	2nd Semester	1 credit
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Prerequisite: Exploration in the Building Trades I

This course provides instruction and practice with architectural, project manager/general contractor, plumbing, dry wall, and heating, ventilation, cooling (HVAC) systems.

Home Repair and Maintenance	Grades 9-12	1st Semester or 2nd Semester	1 credit
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Home Repair and Maintenance will provide instruction to students in maintaining residential buildings and homes. Instruction is provided in the basic maintenance and repair of air conditioning, heating, plumbing, electrical, and other mechanical systems.

BUSINESS

Introduction to Business	Grade 9-12	1st Semester	1 credit
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This course will introduce students to the different areas of business – Management, Human Resources, Marketing, Technology, Production/Operations, and Finance. It will also allow students to look into possible career paths.

Entrepreneurship **Grade 9-12** **2nd Semester** **1 credit**

If you think you might want to run (or help run) a business someday then this is the class for you! Students will look at how businesses affect the world around us, and explore how to run a business successfully. Over the course of the semester, students will engage in creating a business plan and will attempt to make actual money from running a business.

Microsoft Certification **Grades 11-12** **1st or 2nd Semester** **1 credit**

Get Microsoft Certified and college credit!. Students will use a Windows-based computer and complete lessons independently to learn how to create and manipulate office material quickly and effectively using the Microsoft Office Suite. This class prepares students to take the Microsoft Office Specialist Certification exam in Word, PowerPoint, and Excel.

Concurrent Enrollment Credit Course with DMACC - BCA212 Intro to Computer Business Applications (3 Credits). ELP Seminar

EXTENDED LEARNING PROGRAM (ELP)

ELP Seminar

Grade 9-12 **1st Semester** **.5 credit/semester**

ELP Seminar is a course for qualified students identified for program services. Curricular topics include: programming and gifted overviews, community building, partnership with Story County Animal Shelter, academic planning and college exploration, Scholastic Writing Contest, Bluefire Writing Contest, student individualized learning- 21st century employability skills, social and emotional health, summer opportunities, and high stake test prep/smart assessment taking and the importance of these tests. Flexible programming is offered and encouraged to meet the students' needs.

*******PSEO Courses**

Post Secondary Educational Opportunities Act (PSEO) provides college course enrollment for qualified high school students. Application is required and deadlines follow the college calendar. All ELP students are eligible to take PSEO classes as freshmen.

FAMILY & CONSUMER SCIENCES

Beginning Culinary Arts and Nutrition **Grade 9-12** **1st or 2nd Semester** **1 credit/semester**

The understanding of nutrition and foods will enable you to make critical decisions regarding food choices which contribute to health and well-being. This class is a basic study of food preparation, kitchen equipment, food safety, and innovations in food technology.

Advanced Culinary Arts and Nutrition **Grade 9-12** **2nd Semester** **1 credit**

Prerequisite: Beginning Culinary Arts and Nutrition

This class is the advanced study of nutrition, food preparation and food related topics. Areas covered include athletic nutrition, food additives, special diets, meal planning and preparation, food production and buying, food comparisons, marketing, meat cookery, cake decorating, food science and technology, and more culinary adventures. The class also includes regional and global foods cooking units.

Child Development **Grade 9-12** **1st or 2nd Semester** **1 credit**

Child Development is a semester course which addresses the knowledge and skills related to child growth and development from prenatal through preschool children.

Fashion and Interior Design**Grade 9-12****2nd Semester****1 credit**

Independent work habits and individual/group project construction are emphasized in this class designed to introduce students to basic concepts of Fashion and Interior Design. Students will learn basic clothing construction techniques and the characteristics of fabric and fiber to make wardrobe decisions. Interior Design units include styles of homes, architecture, floor plans, furniture arrangements, construction, and furnishings. Students will study the elements and principles of design and apply this knowledge to create room plans, a house plan and fashion projects. Field trips will be taken to expand subject matter covered in class.

MUSIC

9-10 Band**Grade 9-10****1st and 2nd Semester****1 credit****9-10 Concert Choir****Grade 9-10****1st and 2nd Semester****1 credit**

TECHNOLOGY EDUCATION

Designing Digital Media**Grades 9-12****1st Semester & 2nd Semester****1 credit**

This course is meant to focus on creation of digital media. The main parts of the course will be for students to create audio and video projects on a variety of topics. Styles of projects may include news stories, podcasts, slideshows, short films, sports broadcasts and possibly more. Students will have access to use quality video recorders and microphones as well as video editing software.

Introduction to Computer Science Principles**Grades 9-12****1st & 2nd Semester 2 credits**

This is part one of a year-long CS Principles course that will use code.org CS Principles curriculum. It provides students with foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. This first part of the course will cover topics in digital information and how computers interpret this information, the basis of the Internet, followed by app design and programming principles such as variables, loops, functions and conditionals.

*****AP Computer Science Principles-**

This course will cover the same curriculum and content as Computer Science Principles I and II with the intent to take the Computer Science Principles AP Exam in the Spring along with submitting a project for review to the AP Board. Details on the AP Exam can be found [here](#).

THEATER & PERFORMING ARTS

Introduction to Speech & Acting**Grades 9-12****1st Semester****1 credit**

This foundational theatrical arts course progresses from ensemble building games and activities to group-based acting and speaking performances. Topics may include solo and ensemble acting, improvisational acting, mime, interpretive prose and poetry, musical theater, storytelling, reviewing, and original oratory. Acting pieces will focus on developing characters and workshopping scenes, monolog, and audition material.

Introduction to Theater Grade 9-12 2nd Semester (available 2025) 1 credit

Introduction to Theater is a foundational theatrical arts course emphasizing theater history, script analysis, and directing techniques. A few classic plays will be read and analyzed throughout the semester from a diverse selection of playwrights. An overview of theater history will also be presented alongside each play, from the theater of Ancient Greece to the modern day. Students will be asked to direct and act in several scenes from these plays as a major portion of the course grade. Near the end of the semester, focus is also given to exploring film, television, electronic media, and other theater forms.

WORLD LANGUAGE - Spanish

Spanish I Grade 9-12 1st and 2nd Semester 1 credit/semester

Spanish I is an introductory Spanish course for the beginning Spanish student to build proficiency with the Spanish language.

YEARBOOK PUBLICATIONS

Yearbook Publishing Grade 9-12 1st and 2nd Semester 1 credit/semester

Yearbook Publishing will expose students to the processes involved in creating a yearbook. Students will sell ads, create layouts, write copy, proofread, take photographs at school events, and scan and crop pictures. Computer programs used are Photoshop and our online creation tool, Pictavo.

10th Grade Requirements

ENGLISH

English 10	Grade 10	1st and 2nd semester	1 credit/semester
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Honors English 10	Grade 10	1st and 2nd semester	1 credit/semester
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***In order to be successful, it is highly recommended that students enrolling in the course routinely score above the 90th percentile in reading on their standardized tests AND typically earn grades in language arts classes at an A- level or above. Students not meeting these criteria will be asked to conference with the instructor about their plans for academic success in the course to ensure it is the right fit for them.

MATH

Geometry	Grade 9-10	1st and 2nd Semester	1 credit/semester
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Prerequisite: Algebra I

** IF YOU ARE A YEAR AHEAD IN MATH, YOU ARE ELIGIBLE FOR ALGEBRA 2

Algebra 2	Grade 9-12	1st and 2nd Semester	1 credit/semester
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SCIENCE

Biology	Grade 10	1st and 2nd Semester	1 credit/semester
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Accelerated Biology	Grade 10	1st and 2nd Semester	1 credit/semester
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The content focus of this course is consistent with the Biology course. Students will explore these concepts in greater depth and the academic rigor will be increased.

Both of the below prerequisite criteria are required to take the Accelerated Biology:

- At least three 93 or above percentile rankings out of four of the most recent District Standardized science tests.
- An overall 9th grade cumulative grade point average of a B+ (3.33) with no lower than an A- (3.67) average in Science.

IN ADDITION

- If the student was previously in Accelerated Physical Science, they must have received an A- or higher in the Accelerated Physical Science course in order to proceed to Accelerated Biology.

SOCIAL STUDIES

World History

Grade 10-12

1st and 2nd Semester

1 credit/sem

PHYSICAL EDUCATION

Advanced Strength & Conditioning

Grades 10-12

1st and 2nd Semester

1 Credit

The Advanced Strength and Conditioning course is the second level of the strength training curriculum. Students will participate in strength and speed training workouts to improve their overall total body fitness.

Early Bird Advanced Strength & Conditioning

Grades 10-12

1st and 2nd Semester

1 Credit

The Early Bird Advanced Strength & Conditioning course is for students who desire to complete their PE requirement before school hours.

Dual/Team Activities

Grade 10-12

1st and 2nd Semester

1 Credit

Activities include: Gatorball, team handball, ultimate frisbee, lacrosse, floor hockey, badminton, pickleball, basketball, volleyball, dodgeball etc. This is a higher competitive level PE class structured around tournament style play in the various activities. **This class meets every period for PE.**

Recreational Activities

Grade 10-12

1st and 2nd Semester

0.5 Credit

Activities include: outdoor recreation activities, indoor recreation activities, frisbee golf, archery, badminton, pickleball, golf, juggling, speed stacking, etc. This is a low to medium competitive level class focusing on lifetime leisure activities. **This class meets every other period for PE, making it worth .5 credit.**

FINANCIAL LITERACY

*** IF NOT YET FULFILLED

Life Skills

Grade 9-12

1st or 2nd Semester

1 credit

Fulfills Financial Literacy Credit required for Graduation

This semester class is designed to prepare students to live on their own in the adult world and provide them with the decision-making and management skills to be successful.

10th Grade Electives

AGRICULTURE

Introduction to Agriculture	Grade 9-12	1st Semester	1 credit
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Explore the world of agriculture in a semester course which presents students with the foundations of animal science, soil conservation, plant sciences, and agricultural mechanics. Learning experiences include hands-on activities.

Animal Care & Production	Grade 9-12	2nd Semester	1 credit
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An in-depth look at the care and management of horses, poultry, and canines will be a focus in this course. The housing facilities, training, and equipment selection will be included in these units. Identification of livestock, reproductive technologies, meat evaluation, and food safety will round out Animal Care and Production.

Intro to Ag Mechanics	Grade 9-12	1st or 2nd Semester	1 credit
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A variety of labs will provide skills and experience for the student that wishes to explore areas of construction and mechanics in agriculture. Alternative energy sources, management and construction of machinery, designing and building fences, electric motors and controls will all be included. Students will have a chance to work in the lab building their own project during the ag construction unit.

Ag Power Mechanics	Grade 10-12	2nd Semester	1 credit
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Operation and repair of diesel engines, transmission and clutch systems, hydraulics, and tractor repair are primary units in this course. Equipment from past to present, field efficiencies and maintenance will be areas of discussion. Tractor restoration will be included in labs.

Horticulture Science	Grade 10-12	2nd Semester	1 credit
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This semester course is designed to present knowledge and skills in the many areas of horticulture. Propagation of plants and the functions of their parts are instructed through hands-on labs. Plant science and environmental factors are included in this course. Greenhouse management and control are practical experiences gained in the greenhouse facility. Projects include corsage, dish garden, terrariums, plant sales, propagation, and plant care. **THIS CLASS MAY COUNT AS A SCIENCE CREDIT.**

- **Concurrent Course through DMACC – AGH 106 Introduction to Horticulture**

Metals and Welding	Grade 10-12	2nd Semester	1 credit
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Students will study the characteristics of metal and how it is processed into useful products. Tool sharpening, gauge construction, craftsmanship, and repair will be explained and expanded upon so the student will learn additional techniques of separating, welding, and melting metal. The student will complete a lab project of their choice. Arc, MIG, oxygen/acetylene cutting, and plasma arc processes are areas of lab instruction.

Landscaping	Grade 10-12	1st Semester	1 credit
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Designing and maintaining the landscape will be the central theme for this course. Students will develop techniques to design landscape plans.

Small Engines**Grade 10-12****1st Semester****1 credit**

Students will study the internal combustion engine by disassembling a small 4-stroke engine. Proper use of measuring equipment and mechanics tools is part of this extensive lab course. Basic fuel, ignition, and compression systems are also covered. Students will complete diagnosis and repairs of their own small engine.

ART

Art in Tech**Grade 10-12****1st &/or 2nd Semester****1 credit and/or 2 credits**

Art in Tech will allow students to gain knowledge in the realm of art and technology. Students will work with manipulating photos, layout design and editing films. Students will learn photography, graphic design with Adobe programs, and video editing while incorporating the elements and principles of design. Personal digital cameras are recommended, but not a requirement.

Basic Design**Grade 9-12****1st or 2nd Semester****1 credit**

Basic Design is a prerequisite for most Art courses.

This course will prepare the art student for future studio classes and provide the non-art student with design experiences, which formulate personal aesthetic choices.

Ceramics**Grade 10-12****1st Semester****1 credit**

Prerequisite: Basic Design

Ceramics is a course designed to introduce the beginning pottery student to the use of ceramic tools and equipment, methods of handbuilding, throwing on the potter's wheel, and basic glazing techniques. Function and purposes of ceramics will be discussed as well as the history behind ceramic pieces.

Ceramics 2**Grade 10-12****2nd Semester****1 credit**

Prerequisite: **Ceramics and Basic Design

Ceramics 2 is a course designed to continue to develop and refine student skills when working with pottery. Students will enhance their craft as they work with the various methods of handbuilding, throwing on the potter's wheel and glazing techniques on a higher level of skill. Students will have an in-depth look at the various methods of creation as well as look at the work done by professional ceramic artists.

Calligraphy**Grade 9-12****1st Semester****1 credit**

In calligraphy class, the student will survey historical and contemporary uses of hand lettering, writing tools, and materials. Basic proficiency will be developed in classic alphabets, as well as modern variations with the use of a Pilot Parallel Pen. *The prerequisite of Basic Design) is not required for this course.

Calligraphy 2**Grade 9-12****2nd Semester****1 credit**

Prerequisite: Calligraphy 1

Calligraphy 2 is a course designed to utilize the skills learned in Calligraphy 1. Emphasis will be on the use of the Pilot Parallel Pen and brush techniques. Students will advance their techniques with new alphabets and develop an original alphabet on their own.

*The prerequisite of Basic Design is not required for this course.

Drawing and Painting 1	Grade 9-12	1st Semester	1 credit
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Prerequisite: Basic Design

Students will explore a variety of drawing and painting techniques and media, working with sketchbooks, still life references, original ideas and more. After developing a strong base of drawing the class will then spend the semester painting. Experimentation and exploration of different drawing and painting media as well as tools and supports will be introduced throughout the semester.

Drawing and Painting 2	Grade 10-12	2nd Semester	1 credit
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Prerequisite: Drawing & Painting 1

Acts as a continuation from prior experiences in Drawing and Painting 1 to help advance the student's own style of art. The student will have more opportunity to expand and develop a more advanced idea of Drawing and Painting during this class.

BUILDING TRADES

Explorations in the Building Trades I	Grade 9-12	1st Semester	1 credit
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This course provides instruction and practice with electrical, framing, roofing, siding.

Explorations in the Building Trades II	Grade 9-12	2nd Semester	1 credit
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Prerequisite: Exploration in the Building Trades I

This course provides instruction and practice with architectural, project manager/general contractor, plumbing, dry wall, and heating, ventilation, cooling (HVAC) systems.

Home Repair and Maintenance	Grades 9-12	1st Semester or 2nd Semester	1 credit
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Home Repair and Maintenance will provide instruction to students in maintaining residential buildings and homes. Instruction is provided in the basic maintenance and repair of air conditioning, heating, plumbing, electrical, and other mechanical systems. Topics covered will include identifying and using hand and power tools safely; installing and repairing floor coverings, walls, and ceilings; installing and repairing doors, windows, screens, and cabinets; applying finishes to prepared surfaces; and repairing roofs, masonry, plumbing, and electrical systems.

Building Trades Foundation Phase	Grade 9-12	1st or 2nd Semester	1 credit
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Prerequisite: Exploration in the Building Trades I

This course provides instruction in basic framing, concrete flat work, poured wall concrete walls, exterior sheeting, masonry and stucco work. Students will be provided hands-on instruction and work in all areas learning proper application techniques based on building standards. Career exploration will be included as part of this class.

Building Trades Finish Phase	Grade 10-12	1st or 2nd Semester	1 credit
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Prerequisite: Exploration in the Building Trades I and II

This course provides instruction in wall finishes, plumbing, electrical, siding installation, window installation, roofing and painting. Students will be provided hands-on instruction and work in all areas learning proper application techniques based on building standards. Career exploration will be included as part of this class.

BUSINESS EDUCATION

Introduction to Business	Grade 9-12	1st Semester	1 credit
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This course will introduce students to the different areas of business – Management, Human Resources, Marketing, Technology, Production/Operations, and Finance. It will also allow students to look into possible career paths. It builds the perfect foundation for any person wanting to be a professional in the business world and prepares students for further studies in business.

Entrepreneurship	Grade 9-12	2nd Semester	1 credit
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If you think you might want to run (or help run) a business someday then this is the class for you! Students will look at how businesses affect the world around us, and explore how to run a business successfully. Over the course of the semester, students will engage in creating a business plan and will attempt to make actual money from running a business.

Marketing	Grade 10-12	2nd Semester	1 credit
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Marketing is used throughout every stage of the business cycle, so all employees must understand it and be able to use it effectively. Students will be introduced to basic marketing concepts, with extra focus on customer needs and wants, marketing research, and the 4 P's of marketing – Product, Price, Place, Promotion. This project-based, hands-on course will allow students to be creative and explore new and innovative ideas.

- **Concurrent Enrollment Credit Course with DMACC - MKT140 Selling (3 Credits).**

Business Law	Grade 10-12	1st Semester	1 credit
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Everyone, sometime in their lives, will enter into a contract, buy goods and services from a business, acquire property, and be employed. This class will cover these topics with interesting real-life examples to discuss and debate. The class will also explore real-life examples of ethics, criminal and civil law, employment law, and resolution of disputes including litigation in the courts. This is a very interesting and fun class that helps students understand the law which is needed in many more places than people realize.

Microsoft Certification	Grades 9-12	1st or 2nd Semester	1 credit
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Get Microsoft Certified and college credit! Students will use a Windows-based computer and complete lessons independently to learn how to create and manipulate office material quickly and effectively using the Microsoft Office Suite. This class prepares students to take the Microsoft Office Specialist Certification exam in Word, PowerPoint, and Excel.

Concurrent Enrollment Credit Course with DMACC - BCA212 Intro to Computer Business Applications (3 Credits)

FAMILY & CONSUMER SCIENCES

Beginning Culinary Arts and Nutrition	Grade 9-12	1st or 2nd Semester	1 credit/semester
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The understanding of nutrition and foods will enable you to make critical decisions regarding food choices which contribute to health and well-being. This class is a basic study of food preparation, kitchen equipment, food safety, and innovations in food technology.

Advanced Culinary Arts and Nutrition	Grade 9-12	2nd Semester	1 credit
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Prerequisite: Beginning Culinary Arts and Nutrition

This class is the advanced study of nutrition, food preparation and food related topics. Areas covered include athletic nutrition, food additives, special diets, meal planning and preparation, food production and buying, food comparisons, marketing, meat cookery, cake decorating, food science and technology, and more culinary adventures. The class also includes regional and global foods cooking units.

Child Development	Grade 9-12	1st or 2nd Semester	1 credit
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Child Development is a semester course which addresses the knowledge and skills related to child growth and development from prenatal through preschool children.

Fashion and Interior Design	Grade 9-12	2nd Semester	1 credit
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Independent work habits and individual/group project construction are emphasized in this class designed to introduce students to basic concepts of Fashion and Interior Design. Students will learn basic clothing construction techniques and the characteristics of fabric and fiber to make wardrobe decisions. Interior Design units include styles of homes, architecture, floor plans, furniture arrangements, construction, and furnishings. Students will study the elements and principles of design and apply this knowledge to create room plans, a house plan and fashion projects. Field trips will be taken to expand subject matter covered in class.

HEALTH

Health II	Grade 10-12	2nd Semester	1 credit
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Prerequisite: Health I

This course will look beyond the basic physical, mental, and social health topics. These three areas will be individually evaluated into how these all impact your world.

MUSIC

The maximum number of credits earned in music which apply toward graduation is 8.

9-10 Band	Grade 9-10	1st and 2nd Semester	1 credit
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9-10 Concert Choir	Grade 9-10	1st and 2nd Semester	1 credit
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Music Appreciation	Grade 10-12	1st Semester	1 credit
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Music Appreciation offers a look at the role of music in our society. This one semester course investigates, through listening and hands-on projects, many different styles of music including rap, jazz, blues, Broadway, classical eastern and island cultures. A majority of class time is spent listening to CDs, watching videos, and creating small group projects.

Music Theory	Grade 10-12	1st Semester	1 credit
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The class will involve the study and application of the elements of music. Areas of study will include, but are not limited to: note reading, music notation, ear training, principles of rhythm and melody, harmonization, and analyzing of musical scores. Students must have band or choir experience or instructor permission to enroll.

Jazz Improvisation Grades 10-12 1st or 2nd Semester .5 credit

(Must have completed or been enrolled in Music Theory, or be a member of JazzOne)

Students in Jazz Improvisation will learn the fundamentals of jazz improvisation, including listening, reading and interpreting jazz chords and symbols, and jazz theory and ear training. Application will include transcription and hands-on practice.

TECHNOLOGY EDUCATION

Designing Digital Media Grades 9-12 1st Semester & 2nd Semester 1 credit

This course is meant to focus on creation of digital media. The main parts of the course will be for students to create audio and video projects on a variety of topics. Styles of projects may include news stories, podcasts, slideshows, short films, sports broadcasts and possibly more. Students will have access to use quality video recorders and microphones as well as video editing software.

Introduction to Computer Science Principles Grades 9-12 1st & 2nd Semester 2 credits

This is part one of a year long CS Principles course that will use code.org CS Principles curriculum. It provides students with foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. This first part of the course will cover topics in digital information and how computers interpret this information, the basis of the Internet, followed by app design and programming principles such as variables, loops, functions and conditionals.

*****AP Computer Science Principles-**

This course will cover the same curriculum and content as Computer Science Principles I and II with the intent to take the Computer Science Principles AP Exam in the Spring along with submitting a project for review to the AP Board. Details on the AP Exam can be found [here](#).

Computer Science A Grades 10-12 1st & 2nd Semester 1 Credit/Semester

Prerequisite: Computer Science Principles

Computer Science A is a Java Programming course. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

*****AP Computer Science Principles-**

This course will cover the same curriculum and content as Computer Science A with the intent to take the Computer Science A AP Exam in the Spring along with submitting a project for review to the AP Board. Details on the AP Exam can be found [here](#).

THEATER & PERFORMING ARTS

Introduction to Speech & Acting Grades 9-12 1st Semester 1 credit

This foundational theatrical arts course progresses from ensemble building games and activities to group-based acting and speaking performances. Topics may include solo and ensemble acting, improvisational acting, mime, interpretive prose and poetry, musical theater, storytelling, reviewing, and original oratory. Acting pieces will focus on developing characters and workshopping scenes, monolog, and audition material.

Advanced Acting **Grade 9-12** **2nd Semester (even years)** **1 credit**

Prerequisite: Introduction to Speech & Acting OR instructor approval

This theatrical arts course is designed for students who are heavily interested in theater and the performing arts who want to engage in more challenging acting scenes and performance material. The class extends learning from Introduction to Speech & Acting and emphasizes script analysis and character motivation within complex scenes, both classic and contemporary. Material may include Shakespearean texts, period pieces, dramatic monologue, etc.

Introduction to Theater **Grade 9-12** **2nd Semester** **1 credit**

Introduction to Theater is a foundational theatrical arts course emphasizing theater history, script analysis, and directing techniques. A few classic plays will be read and analyzed throughout the semester from a diverse selection of playwrights. An overview of theater history will also be presented alongside each play, from the theater of Ancient Greece to the modern day. Students will be asked to direct and act in several scenes from these plays as a major portion of the course grade. Near the end of the semester, focus is also given to exploring film, television, electronic media, and other theater forms.

WORLD LANGUAGE - Spanish

Spanish I **Grade 9-12** **1st and 2nd Semester** **1 credit/semester**

Spanish I is an introductory Spanish course for the beginning Spanish student to build proficiency with the Spanish language.

Spanish II **Grade 10-12** **1st and 2nd Semester** **1 credit/semester** **RAI**

Prerequisite: Satisfactory completion of Spanish I; A "C" average in Spanish I is highly recommended.

Spanish II is a continuation of Spanish I with more emphasis on reading, writing, and speaking the language. The philosophies and thoughts of Spanish-speaking people are studied through readings about Hispanic history and culture.

YEARBOOK PUBLICATIONS

Yearbook Publishing **Grade 9-12** **1st and 2nd Semester** **1 credit/semester**

Yearbook Publishing will expose students to the processes involved in creating a yearbook. Students will sell ads, create layouts, write copy, proofread, take photographs at school events, and scan and crop pictures. Computer programs used are Photoshop and our online creation tool, Pictavo.

11th Grade Requirements

ENGLISH

Option #1

English 11	Grade 11	1st and 2nd semesters	1 credit/semester
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Option #2

DMACC Literature 151: World Literature 1 credit+3 college credits	Grade 11	1st semester
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Admission recommendations: 3.5 overall GPA and 21 ACT English score

Students will read representative literary works from 1650 to the present and develop an appreciation for and understanding of these works in their historical and cultural contexts. Students are expected to analyze works from diverse cultures of Asia, Africa, Europe, and the Americas.

DMACC Literature 111: American Literature 1 GHS credit + 3 college credits	Grade 11	2nd semester
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Admission recommendations: 3.5 overall GPA and 21 ACT English score

Examines American poetry, prose, drama and fiction from the mid-1800s through contemporary writing, continuing the exploration of the history and development of American literature. Students study written works from a variety of genres, styles, racial and ethnic backgrounds and, through this critical survey, develop a deeper understanding of the main issues and movements shaping American culture in the first half of the twentieth century. Emphasizes major literary works and their social and cultural contexts.

Option #3

AP English Literature & Composition/DMACC Lit 101 & 111 1 credit/semester + 3 college credits/semester	Grade 11	1st & 2nd semesters
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Admission recommendations: 3.5 overall GPA and 21 ACT English score

A substantial summer reading assignment is required, and students are expected to take the AP Lit exam in May. Students will not be allowed to transfer into this course once it has begun.

MATHEMATICS

Algebra 2 Prerequisite: Algebra 1	Grade 9-12	1st and 2nd Semester	1 credit/semester
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****If you are a year ahead in Math, you are eligible for Advanced Math

Advanced Math Prerequisite: Algebra 2	Grade 10-12	1st and 2nd Semester	1 credit/semester
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Additional Math Options:

Math Applications	Grade 10-12	1st or 2nd Semester	1 credit
<i>Prerequisite: Algebra 2</i>			
Statistics	Grade 11-12	1st or 2nd Semester	1 credit
<i>Prerequisite: Algebra 2</i>			

SCIENCE

Chemistry	Grade 11-12	1st and 2nd Semester	1 credit/semester
<i>Prerequisite: Enrolled in or have taken Algebra 2</i>			

Anatomy/Physiology I	Grade 11-12	1st Semester	1 credit
<i>Prerequisite: Biology</i>			

Physiology is a study of the structures and functions of human organ systems, including skeletal, muscular, and nervous systems. Simple experiments will illustrate how the body functions.

Anatomy/Physiology II	Grade 11-12	2nd Semester	1 credit
<i>Prerequisite: Biology</i>			

Physiology is a study of the structures and function of human organ systems including special senses and digestive, circulatory, respiratory, excretory, nervous, and endocrine systems. Simple experiments will illustrate how the body functions.

Physics	Grade 11-12	1st and 2nd Semester	1 credit/semester
<i>Prerequisite: Enrolled in or have taken Advanced Math</i>			

Lecture and class discussions will be combined with problems and experiments to study the general topics of mechanics, electricity, magnetism, wave motion, sound, and light. This course will require more than the average amount of time for out-of-class work.

Forensic Science	Grade 11-12	1st or 2nd Semester	1 credit/semester	RAI
<i>Prerequisite: Physical Science and Biology</i>				

Forensic Science is the application of science to civil and criminal legal matters. Students will observe, collect, analyze, and evaluate evidence associated with possible crime scenes. Using scientific methods, students will collect and analyze evidence such as fingerprints, blood, hairs, and fibers. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science.

Zoology	Grade 11-12	1st or 2nd Semester	1 credit/semester
<i>Prerequisite: Physical Science and Biology</i>			

This course discusses the branch of biology dealing with animals and animal life, including the study of the structure, physiology, development, adaptations, and classification of animals. Some of the topics discussed include the classification of animals, invertebrates and vertebrates, including fishes, amphibians, reptiles, birds, and mammals.

SOCIAL STUDIES

American History

Grade 11

1st and 2nd Semester

1 credit/semester

PHYSICAL EDUCATION

Advanced Strength & Conditioning

Grades 10-12

1st and 2nd Semester

1 Credit

The Advanced Strength and Conditioning course is the second level of the strength training curriculum. Students will participate in strength and speed training workouts to improve their overall total body fitness.

Early Bird Advanced Strength & Conditioning

Grades 10-12

1st and 2nd Semester

1 Credit

The Early Bird Advanced Strength & Conditioning course is for students who desire to complete their PE requirement before school hours.

Dual/Team Activities

Grade 10-12

1st and 2nd Semester

1 Credit

Activities include: Gatorball, team handball, ultimate frisbee, lacrosse, floor hockey, badminton, pickleball, basketball, volleyball, dodgeball etc. This is a higher competitive level PE class structured around tournament style play in the various activities. **This class meets every period for PE.**

Recreational Activities

Grade 10-12

1st and 2nd Semester

0.5 Credit

Activities include: outdoor recreation activities, indoor recreation activities, frisbee golf, archery, badminton, pickleball, golf, juggling, speed stacking, etc. This is a low to medium competitive level class focusing on lifetime leisure activities. **This class meets every other period for PE, making it worth .5 credit.**

FINANCIAL LITERACY

*** IF NOT YET FULFILLED

Life Skills

Grade 9-12

1st or 2nd Semester

1 credit

This semester class is designed to prepare students to live on their own in the adult world and provide them with the decision-making and management skills to be successful.

Ag Business Management

Grade 11-12

2nd Semester

1 credit

Individuals entering careers in any agri-business can use business management skills. Money management skills learned in this unit can be applied to any individual regardless of her/his career. Every aspect of managing a business is included in this course: record keeping skills; goal setting; agricultural law; insurance; taxes; marketing; investment options; current technologies; and personal and business finances. **This course meets the Financial Literacy requirement.**

- **Concurrent Course through DMACC – AGB331 Agri-Business Management**

Financial Literacy**Grades 11-12****1st or 2nd Semester****1 credit**

Students will study the management of personal finances, including budgeting, consumer buying, personal credit and debt, savings and investing, home ownership, insurance, and retirement. This course will help prepare all students for their financial challenges now and in the future.

Economics**Grade 11-12****1st or 2nd Semester****1 credit**

This course is an introductory look at both macro- and micro-economics. Content for this course includes Wants vs. Needs, Scarcity, Exchange of Resources, Government Influence, Globalization, and Technology. Choosing a career, entrepreneurship, budgeting, saving, investing, credit, insurance, and tax considerations

11th Grade Electives

AGRICULTURE

Introduction to Agriculture

Grade 9-12

1st Semester

1 credit

Explore the world of agriculture in a semester course which presents students with the foundations of animal science, soil conservation, plant sciences, and agricultural mechanics. Learning experiences include hands-on activities.

Animal Care & Production

Grade 9-12

2nd Semester

1 credit

An in-depth look at the care and management of horses, poultry, and canines will be a focus in this course. The housing facilities, training, and equipment selection will be included in these units. Identification of livestock, reproductive technologies, meat evaluation, and food safety will round out Animal Care and Production.

Intro to Ag Mechanics

Grade 9-12

1st or 2nd Semester

1 credit

A variety of labs will provide skills and experience for the student that wishes to explore areas of construction and mechanics in agriculture. Alternative energy sources, management and construction of machinery, designing and building fences, electric motors and controls will all be included. Students will have a chance to work in the lab building their own project during the ag construction unit.

Ag Power Mechanics

Grade 10-12

2nd Semester

1 credit

Operation and repair of diesel engines, transmission and clutch systems, hydraulics, and tractor repair are primary units in this course. Equipment from past to present, field efficiencies and maintenance will be areas of discussion. Tractor restoration will be included in labs.

Horticulture Science

Grade 10-12

2nd Semester

1 credit

This semester course is designed to present knowledge and skills in the many areas of horticulture. Propagation of plants and the functions of their parts are instructed through hands-on labs. Plant science and environmental factors are included in this course. Greenhouse management and control are practical experiences gained in the greenhouse facility. Projects include corsage, dish garden, terrariums, plant sales, propagation, and plant care. **THIS CLASS WILL COUNT AS A SCIENCE CREDIT.**

- **Concurrent Course through DMACC – AGH 106 Introduction to Horticulture**

Metals and Welding

Grade 10-12

2nd Semester

1 credit

Students will study the characteristics of metal and how it is processed into useful products. Tool sharpening, gauge construction, craftsmanship, and repair will be explained and expanded upon so the student will learn additional techniques of separating, welding, and melting metal. The student will complete a lab project of their choice. Arc, MIG, oxygen/acetylene cutting, and plasma arc processes are areas of lab instruction.

Advanced Welding and Forge	Grade 11-12	1st Semester	1 credit
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Prerequisite: Metals and Welding

TIG welding of aluminum, stainless, and mild steel and related skill projects begins this course. Using MIG welders in out-of-position welds and with different materials are experienced. FORGE use in practicing several skill areas is covered. Students will also complete a CNC Plasma Cutting process, Powder Coating, and completing metals/FORGE/CNC projects of their choice.

Landscaping	Grade 10-12	1st Semester	1 credit
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Designing and maintaining the landscape will be the central theme for this course. Students will develop techniques to design landscape plans. Operation and maintenance of small and large landscape equipment will be covered. Use and placement of retaining walls and paver patios are included. Students will learn to identify, plant, and care for perennial plants and turf. A wide variety of activities and labs will be incorporated into this course.

Small Engines	Grade 10-12	1st Semester	1 credit
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Students will study the internal combustion engine by disassembling a small 4-stroke engine. Proper use of measuring equipment and mechanics tools is part of this extensive lab course. Basic fuel, ignition, and compression systems are also covered. Students will complete diagnosis and repairs of their own small engine.

Ag Science	Grade 11-12	1st or 2nd Semester	1 credit
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Students will explore scientific concepts through the lens of Agriculture. Focus will be on the areas of food science, biotechnology,. Emphasis on the chemistry of food and food preservation as well as biotechnology and environmental issues will be covered. Hands-on activities include DNA extraction, food product development, and water quality service learning projects. Students will gain experience learning from experts in the industry. ***THIS CLASS WILL COUNT AS A SCIENCE CREDIT.***

Natural Resource Management	Grade 11-12	1st Semester	1 credit
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The focus of this semester course is best divided into conservation of natural resources and methods of sustainable agriculture to protect our environment. Use of technologies involved with soil structures, GPS, erosion control, testing, and fertility are incorporated into lab experiences. Students will also have the opportunity to explore taxidermy. Wildlife and habitat in Iowa are also discussed. ***THIS CLASS WILL COUNT AS A SCIENCE CREDIT.***

Ag Business Management	Grade 11-12	2nd Semester	1 credit
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Individuals entering careers in any agri-business can use business management skills. Money management skills learned in this unit can be applied to any individual regardless of her/his career. Every aspect of managing a business is included in this course: record keeping skills; goal setting; agricultural law; insurance; taxes; marketing; investment options; current technologies; and personal and business finances. **This course meets the Financial Literacy requirement.**

- **Concurrent Course through DMACC – AGB331 Agri-Business Management**

Animal Science	Grade 11-12	1st Semester	1 credit
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Care and raising animals ranging from pets to domestic livestock will be explored in this course. Students will develop knowledge and skills related to handling livestock, proper nutrition, disease, reproduction, animal systems/anatomy, and general management. Labs and field trips will be used to lend practical experience to this opportunity. ***THIS CLASS WILL COUNT AS A SCIENCE CREDIT.***

- **Concurrent Course through DMACC – AGS113 Survey of the Animal Industry**

ART

Basic Design	Grade 9-12	1st or 2nd Semester	1 credit
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Basic Design is a prerequisite for most Art courses.

This course will prepare the art student for future studio classes and provide the non-art student with design experiences, which formulate personal aesthetic choices.

Ceramics	Grade 10-12	1st Semester	1 credit
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Prerequisite: Basic Design

Ceramics is a course designed to introduce the beginning pottery student to the use of ceramic tools and equipment, methods of handbuilding, throwing on the potter's wheel, and basic glazing techniques. Function and purposes of ceramics will be discussed as well as the history behind ceramic pieces.

Ceramics 2	Grade 10-12	2nd Semester	1 credit
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Prerequisite: **Ceramics and Basic Design

Ceramics 2 is a course designed to continue to develop and refine student skills when working with pottery. Students will enhance their craft as they work with the various methods of handbuilding, throwing on the potter's wheel and glazing techniques on a higher level of skill. Students will have an in-depth look at the various methods of creation as well as look at the work done by professional ceramic artists.

Calligraphy	Grade 9-12	1st Semester	1 credit
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In calligraphy class, the student will survey historical and contemporary uses of hand lettering, writing tools, and materials. Basic proficiency will be developed in classic alphabets, as well as modern variations with the use of a Pilot Parallel Pen.

*The prerequisite of Basic Design is not required for this course.

Calligraphy 2	Grade 9-12	2nd Semester	1 credit
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Prerequisite: Calligraphy 1

Calligraphy 2 is a course designed to utilize the skills learned in Calligraphy 1. Emphasis will be on the use of the Pilot Parallel Pen and brush techniques. Students will advance their techniques with new alphabets and develop an original alphabet on their own.

*The prerequisite of Basic Design is not required for this course.

Drawing and Painting 1	Grade 9-12	1st Semester	1 credit
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Prerequisite: Basic Design

Students will explore a variety of drawing and painting techniques and media, working with sketchbooks, still life references, original ideas and more. After developing a strong base of drawing the class will then spend the semester painting. Experimentation and exploration of different drawing and painting media as well as tools and supports will be introduced throughout the semester.

Drawing and Painting 2	Grade 10-12	2nd Semester	1 credit
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Prerequisite: Drawing & Painting 1

Acts as a continuation from prior experiences in Drawing and Painting 1 to help advance the student's own style of art. The student will have more opportunity to expand and develop a more advanced idea of Drawing and Painting during this class.

Metals in Art	Grade 11-12	1st or 2nd Semester	1 credit
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Prerequisite: Basic Design

Metals in Art is a course designed to expose the beginning art student with basic metal techniques in the processes of casting and fabrication. Design, its function, and various techniques will be interrelated with each assigned piece. Students will work with nickel, copper, brass, and some silver.

Art in Tech	Grade 10-12	1st &/or 2nd Semester	1 credit and/or 2 credits
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Art in Tech will allow students to gain knowledge in the realm of art and technology. Students will work with manipulating photos, layout design and editing films. Students will learn photography, graphic design with Adobe programs and video editing while incorporating the elements and principles of design. Personal digital cameras are recommended, but not a requirement.

Art History	Grade 11-12	2nd Semester	1 credit
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Students will gain basic familiarity with major styles of Western Art both European and American. Media presentations, lectures, and discussions in class will include: "What is Art?" "What are its functions?" and looking at, listening to, responding to, and evaluating works of art. Students will be exposed to maps, timelines, and parallels of major events. An optional field trip to Chicago museums is also included.

Art Portfolio	Grade 11- 12	1st or 2nd Semester	1 credit/Semester
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Prerequisite: Five previously successful art courses

This is a course designed for the production of finished art work in various media by students with a solid art background. It will give students the opportunity for increased expression through the use of a wide variety of media. Instruction will be emphasized on a more individual basis and provide a better base for students trying to assemble a portfolio or prepare for contests or scholarships. **Materials** used in the class will be available to the student through the art department funds. However, anything specific needs, such as a glaze color, canvas, paper or metals would be at the expense of the student.

BUILDING TRADES

Explorations in the Building Trades I	Grade 9-12	1st Semester	1 credit
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This course provides instruction and practice with electrical, framing, roofing, siding.

Explorations in the Building Trades II	Grade 9-12	2nd Semester	1 credit
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Prerequisite: Exploration in the Building Trades I

This course provides instruction and practice with architectural, project manager/general contractor, plumbing, dry wall, and heating, ventilation, cooling (HVAC) systems.

Home Repair and Maintenance	Grades 9-12	1st Semester or 2nd Semester	1 credit
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Home Repair and Maintenance will provide instruction to students in maintaining residential buildings and homes. Instruction is provided in the basic maintenance and repair of air conditioning, heating, plumbing, electrical, and other mechanical systems. Topics covered will include identifying and using hand and power tools safely; installing and repairing floor coverings, walls, and ceilings; installing and repairing doors, windows, screens, and cabinets; applying finishes to prepared surfaces; and repairing roofs, masonry, plumbing, and electrical systems.

Carpentry Design and Implementation	Grade 11-12	1st or 2nd Semester	1 credit
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Carpentry courses provide information related to the building of wooden structures, enabling students to gain an understanding of wood grades and construction methods and to learn skills such as laying sills and joists; erecting sills and rafters; applying sheathing, siding, and shingles; setting door jambs; and hanging doors.

Prerequisite: Exploration in the Building Trades I

Building Trades Foundation Phase	Grade 9-12	1st or 2nd Semester	1 credit
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Prerequisite: Exploration in the Building Trades I

This course provides instruction in basic framing, concrete flat work, poured wall concrete walls, exterior sheeting, masonry and stucco work. Students will be provided hands-on instruction and work in all areas learning proper application techniques based on building standards. Career exploration will be included as part of this class.

Building Trades Finish Phase	Grade 10-12	1st or 2nd Semester	1 credit
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Prerequisite: Exploration in the Building Trades I and II

This course provides instruction in wall finishes, plumbing, electrical, siding installation, window installation, roofing and painting. Students will be provided hands-on instruction and work in all areas learning proper application techniques based on building standards. Career exploration will be included as part of this class.

BUSINESS EDUCATION

Introduction to Business	Grade 9-12	1st Semester	1 credit
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This course will introduce students to the different areas of business – Management, Human Resources, Marketing, Technology, Production/Operations, and Finance. It will also allow students to look into possible career paths. It builds the perfect foundation for any person wanting to be a professional in the business world and prepares students for further studies in business.

Entrepreneurship	Grade 9-12	2nd Semester	1 credit
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If you think you might want to run (or help run) a business someday then this is the class for you! Students will look at how businesses affect the world around us, and explore how to run a business successfully. Over the course of the semester, students will engage in creating a business plan and will attempt to make actual money from running a business.

Accounting	Grade 11-12	1st and 2nd Semester	1 credit/semester
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Accounting introduces students to financial information needed in all business-related occupations. Students will explore the accounting cycle as they record income and expenses and prepare financial reports for sole proprietorships. Students will be engaged with hands-on simulations and activities throughout the year-long course as they learn how to create the reports that are used to make many of the decisions in every business.

Marketing	Grade 10-12	2nd Semester	1 credit
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Marketing is used throughout every stage of the business cycle, so all employees must understand it and be able to use it effectively. Students will be introduced to basic marketing concepts, with extra focus on customer needs and wants, marketing research, and the 4 P's of marketing – Product, Price, Place, Promotion. This project-based, hands-on course will allow students to be creative and explore new and innovative ideas.

- **Concurrent Enrollment Credit Course with DMACC - MKT140 Selling (3 Credits).**

Business Law**Grade 10-12****1st Semester****1 credit**

Everyone, sometime in their lives, will enter into a contract, buy goods and services from a business, acquire property, and be employed. This class will cover these topics with interesting real-life examples to discuss and debate. The class will also explore real-life examples of ethics, criminal and civil law, employment law, and resolution of disputes including litigation in the courts. This is a very interesting and fun class that helps students understand the law which is needed in many more places than people realize.

Microsoft Certification**Grades 9-12****1st or 2nd Semester****1 credit**

Get Microsoft Certified and college credit! Students will use a Windows-based computer and complete lessons independently to learn how to create and manipulate office material quickly and effectively using the Microsoft Office Suite. This class prepares students to take the Microsoft Office Specialist Certification exam in Word, PowerPoint, and Excel. **Concurrent Enrollment Credit Course with DMACC - BCA212 Intro to Computer Business Applications (3 Credits).**

Employability through Externships**Grades 11-12****1st or 2nd Semester****1 credit**

An innovative work-based learning program for juniors and seniors that allows students to try out some of their various career interest areas while completing projects for businesses around the community. Students will engage in real world experiences that will expand their skill set, build their professional network, and see their work being implemented in a professional setting. Additional components include resume building, mock interviews, and job shadow opportunities.

- **Concurrent Enrollment Credit Course with DMACC - ADM936 Occupational Experience (3 Credits).**

Advanced Employability through Externships**Grades 11-12****1st or 2nd Semester****1 credit**

Students can build on their experience from Employability through Externships and further expand their business and industry connections through higher level business community projects. Advanced level students will take on more leadership within the course, reaching out to businesses for projects and mentoring first level students. Through additional job shadows and mock interview opportunities, students will continue their career exploration process.

- **Concurrent Enrollment Credit Course with DMACC - ADM221 Occupational Experience (2 Credits).**

FAMILY & CONSUMER SCIENCES

Beginning Culinary Arts and Nutrition**Grade 9-12****1st or 2nd Semester****1 credit/semester**

The understanding of nutrition and foods will enable you to make critical decisions regarding food choices which contribute to health and well-being. This class is a basic study of food preparation, kitchen equipment, food safety, and innovations in food technology.

Advanced Culinary Arts and Nutrition**Grade 9-12****2nd Semester****1 credit****Prerequisite: Beginning Culinary Arts and Nutrition**

This class is the advanced study of nutrition, food preparation and food related topics. Areas covered include athletic nutrition, food additives, special diets, meal planning and preparation, food production and buying, food comparisons, marketing, meat cookery, cake decorating, food science and technology, and more culinary adventures. The class also includes regional and global foods cooking units.

Child Development	Grade 9-12	1st or 2nd Semester	1 credit
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Child Development is a semester course which addresses the knowledge and skills related to child growth and development from prenatal through preschool children.

Fashion and Interior Design	Grade 9-12	2nd Semester	1 credit
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Independent work habits and individual/group project construction are emphasized in this class designed to introduce students to basic concepts of Fashion and Interior Design. Students will learn basic clothing construction techniques and the characteristics of fabric and fiber to make wardrobe decisions. Interior Design units include styles of homes, architecture, floor plans, furniture arrangements, construction, and furnishings. Students will study the elements and principles of design and apply this knowledge to create room plans, a house plan and fashion projects. Field trips will be taken to expand subject matter covered in class.

HEALTH

Health II	Grade 10-12	2nd Semester	1 credit
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Prerequisite: *Health I*

This course will look beyond the basic physical, mental, and social health topics. These three areas will be individually evaluated into how these all impact your world.

MUSIC

The maximum number of credits earned in music which apply toward graduation is 8.

11-12 Concert Band	Grade 11-12	1st and 2nd Semester	1 credit
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11-12 Concert Choir	Grade 11-12	1st and 2nd Semester	1 credit
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Music Appreciation	Grade 10-12	1st Semester	1 credit
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Music Appreciation offers a look at the role of music in our society. This one semester course investigates, through listening and hands-on projects, many different styles of music including rap, jazz, blues, Broadway, classical eastern and island cultures. A majority of class time is spent listening to CDs, watching videos, and creating small group projects.

Music Theory	Grade 10-12	1st Semester	1 credit
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The class will involve the study and application of the elements of music. Areas of study will include, but are not limited to: note reading, music notation, ear training, principles of rhythm and melody, harmonization, and analyzing of musical scores. Students must have band or choir experience or instructor permission to enroll.

Jazz Improvisation	Grades 10-12	1st and 2nd Semester (red days)	1 credit
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(Must have completed or been enrolled in Music Theory, or be a member of JazzOne)

Students in Jazz Improvisation will learn the fundamentals of jazz improvisation, including listening, reading and interpreting jazz chords and symbols, and jazz theory and ear training. Application will include transcription and hands-on practice.

Tiger Voices	Grade 11-12	1st and 2nd Semester	0.5 credit
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Prerequisite: 1 Year Concert Choir
Tiger Voices is an auditioned group

Contract Course: Individualized Instrumental Study	1st and 2nd Semester	1 credit
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The purpose is to offer individual, differentiated instruction to students wishing to study an instrument at a higher level than can be offered normally in the school day. This would reach a wide range of ability levels, including high and low achieving students.

SOCIAL STUDIES

Economics	Grade 11-12	1st or 2nd Semester	1 credit
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Fulfills Financial Literacy Credit required for Graduation

This course is an introductory look at both macro- and micro-economics. Content for this course includes Wants vs. Needs, Scarcity, Exchange of Resources, Government Influence, Globalization, and Technology. Choosing a career, entrepreneurship, budgeting, saving, investing, credit, insurance, and tax considerations are examined. This course will improve your understanding of key elements of economics and personal finance, and help you make better choices and live a more fulfilling life.

Current Events	Grade 11-12	2nd Semester	1 credit
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This course will examine current domestic and international events of the day. It will make extensive use of online news, TV broadcasts, and other media. The course will focus on a variety of topics in current issues. Knowledge of current world affairs is extremely important to having an informed, participating citizenry.

Geography	Grade 11-12	1st Semester	1 credit
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This course examines the various regions of the world. After an overview of the region, in depth topics are researched. The class emphasizes independent research and group discussion.

Sociology	Grade 11-12	1st Semester	1 credit
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Sociology deals with man in his relationship to others. Very simply put, sociology is the study of human groups. A great deal of emphasis is placed on interpersonal relationships, individual responsibility, ethics (both absolute and situational), ethnic and race relations, contemporary problems plaguing today's societies and exploring possible solutions. The student needs to be prepared to participate in daily topic-centered discussions.

Psychology	Grade 11-12	2nd Semester	1 credit	RAI
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This college prep course will provide a fundamentally sound introduction to psychology. The entire spectrum of psychology will be introduced, including its main theorists. The class will balance between theory and practice.

TECHNOLOGY EDUCATION

Designing Digital Media Grades 9-12 1st Semester & 2nd Semester 1 credit

This course is meant to focus on creation of digital media. The main parts of the course will be for students to create audio and video projects on a variety of topics. Styles of projects may include news stories, podcasts, slideshows, short films, sports broadcasts and possibly more. Students will have access to use quality video recorders and microphones as well as video editing software.

Introduction to Computer Science Principles Grades 9-12 1st & 2nd Semester 2 credits

This is part one of a year long CS Principles course that will use code.org CS Principles curriculum. It provides students with foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. This first part of the course will cover topics in digital information and how computers interpret this information, the basis of the Internet, followed by app design and programming principles such as variables, loops, functions and conditionals.

*****AP Computer Science Principles-**

This course will cover the same curriculum and content as Computer Science Principles I and II with the intent to take the Computer Science Principles AP Exam in the Spring along with submitting a project for review to the AP Board. Details on the AP Exam can be found [here](#).

Computer Science A Grades 10-12 1st & 2nd Semester 1 Credit/Semester

Prerequisite: Computer Science Principles

Computer Science A is a Java Programming course. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

*****AP Computer Science A Principles-**

This course will cover the same curriculum and content as Computer Science A with the intent to take the Computer Science A AP Exam in the Spring along with submitting a project for review to the AP Board. Details on the AP Exam can be found [here](#).

THEATER & PERFORMING ARTS

Introduction to Speech & Acting Grades 9-12 1st Semester 1 credit

This foundational theatrical arts course progresses from ensemble building games and activities to group-based acting and speaking performances. Topics may include solo and ensemble acting, improvisational acting, mime, interpretive prose and poetry, musical theater, storytelling, reviewing, and original oratory. Acting pieces will focus on developing characters and workshopping scenes, monolog, and audition material.

Advanced Acting Grade 9-12 2nd Semester (even years) 1 credit

Prerequisite: Introduction to Speech & Acting OR instructor approval

Advanced Acting is a theatrical arts course designed for students who are heavily interested in theater and the performing arts who want to engage in more challenging acting scenes and performance material. The class extends the learning from Introduction to Speech & Acting and places a major emphasis on script analysis and character motivation within complex scenes, both classic and contemporary. Material may include Shakespearean texts, period pieces, dramatic monolog, etc. Time is also spent helping students prepare for theatrical activities and auditions in college and beyond. This course is offered for elective credit.

Introduction to Theater Grade 9-12 2nd Semester 1 credit

Introduction to Theater is a foundational theatrical arts course emphasizing theater history, script analysis, and directing techniques. A few classic plays will be read and analyzed throughout the semester from a diverse selection of playwrights. An overview of theater history will also be presented alongside each play, from the theater of Ancient Greece to the modern day. Students will be asked to direct and act in several scenes from these plays as a major portion of the course grade. Near the end of the semester, focus is also given to exploring film, television, electronic media, and other theater forms.

OnStage! Grade 11-12 1st and 2nd Semester 0.5 credit

OnStage! is a program seeking to expose students to the performing arts – from theater and dance to classical music and world culture – in the hope they gain a lifelong appreciation for the arts. Juniors and seniors from area high schools are invited to submit an essay detailing why they want to participate in OnStage! Those selected through an application process attend six varied performances during the season at Stephens Auditorium in Ames. The students are given tickets to the performances and sit in a group with students from other schools, which gives them a chance to meet and interact. Students are also usually invited to participate in special talkbacks with the performers after the show to ask questions and gain insight into what it means to be ‘On Stage.’ Students are expected to write a reflection following each performance. This course takes place completely outside of the regular school day.

WORLD LANGUAGE - Spanish

Spanish III Grade 11-12 1st and 2nd Semester 1 credit/semester

Prerequisite: Satisfactory completion of Spanish II; A "C" average in Spanish II is highly recommended.

Spanish III is a continuation of Spanish II, as instruction in grammar continues. The past tense is a major focus along with being able to apply and use vocabulary and grammar concepts in authentic contexts. Most conversations will be in Spanish.

YEARBOOK PUBLICATIONS

Yearbook Publishing Grade 9-12 1st and 2nd Semester 1 credit/semester

Yearbook Publishing will expose students to the processes involved in creating a yearbook. Students will sell ads, create layouts, write copy, proofread, take photographs at school events, and scan and crop pictures. Computer programs used are Photoshop and our online creation tool, Pictavo.

Yearbook Editing Grade 11-12 1st and 2nd Semester 1 credit/semester

Prerequisite: Yearbook Publications

Yearbook Editing is a continuation of Yearbook Publications. All of the above processes will be done as an extension. These students will oversee the finished pages completed by the beginning students as well as doing their own spreads. Creativity of layout and write-ups will be emphasized. Computer programs used are InDesign and Photoshop.

12th Grade Requirements

ENGLISH

Option #1

For Option 1, students must take English 12 for 1st or 2nd semester. Students must choose between Senior Composition OR Individualized Literature for 1st or 2nd semester. Here are examples:

Example 1: English 12 S1 and Individualized Lit S2

Example 2: Senior Composition S2 and English 12 S2

Example 3: Individualized Lit S1 and English 12 S2

Example 4: English 12 S1 and Senior Composition S2

English 12	Grade 12	1st or 2nd semester	1 credit/semester
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Students will read both short stories as well as an individually chosen novel and a Shakespearean play. Readings will be closely analyzed, discussed, and thoughts pertaining to the readings will be put into writing, in test form, essay form, and project form. Vocabulary will also be strengthened, and students will also complete creative writing assignments, including writing and performing their own original play. The class will also present speeches and presentations as well as also analyze a movie pertaining to the events of 9/11.

Senior Composition	Grade 12	1st or 2nd semester	1 credit/semester
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Students will produce a variety of writing, to include poetry, drama, short stories, lyrics, narratives, and essays. Students will be reading and discussing a wide range of writing. 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. This course will focus on writing skills essential to life beyond high school.

Individualized Literature	Grade 12	1st or 2nd semester	1 credit/semester
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This is an elective class designed to allow students to explore a wide variety of literature at their own pace and level of comprehension. This class will focus on developing critical reading skills, building vocabulary, and encouraging a lifelong love of reading. Students will select books from a range of genres and will be required to keep a reading journal and participate in class discussions and book presentations. Additionally, the class will incorporate writing exercises and activities to further develop language and communication skills. The ultimate goal of the class is to empower students to become confident, independent readers and critical thinkers.

Option #2

DMACC English 105: Composition I	Grade 12	1st semester	1 credit + 3 college credits
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Composition I introduces students to the college-level writing process through the construction and revision of a series of expository and persuasive essays. Students may also produce other writing appropriate to the academic and working world. Through exposure to a variety of college-level readings, the students will build critical reading skills, and students will be expected to respond to assigned readings in a variety of ways. The course introduces library and computer-based research strategies. Students will write and revise at least 4 essays and produce a minimum of 20 pages. Prerequisite: Satisfactory writing skills.

DMACC English 106: Composition II Grade 12 2nd semester 1 credit + 3 college credits

Composition II is a continuation of Composition I. Students will analyze, synthesize, and evaluate texts. Effective academic research is also emphasized. Assignments may include expository and persuasive writing appropriate to academic and professional contexts. Students will write and revise three or more essays, including a research-based argument, and produce a minimum of 20 pages of prose. Academic integrity is a key expectation of this course. Prerequisite: Grade of C- or higher in ENG 105

Option #3

Advanced Placement Language and Composition/DMACC English 105 & 106	Grade 12
1st & 2nd semesters	1 credit/semester + 3 college credits/semester

MATH

****Not required (but encouraged) as a Senior

Statistics	Grade 11-12	1st or 2nd Semester	1 credit
<i>Prerequisite: Algebra 2</i>			

AP Calculus	Grade 11-12	1st and 2nd Semester	1 credit/semester
<i>Prerequisite: Advanced Math</i>			

Students will have the option of taking the AP Calculus exam in the spring.

SCIENCE

****Not required (but encouraged) as a Senior

Anatomy/Physiology I	Grade 11-12	1st Semester	1 credit
<i>Prerequisite: Biology</i>			

Physiology is a study of the structures and functions of human organ systems, including skeletal, muscular, and nervous systems. Simple experiments will illustrate how the body functions.

Anatomy/Physiology II	Grade 11-12	2nd Semester	1 credit
<i>Prerequisite: Biology</i>			

Physiology is a study of the structures and function of human organ systems including special senses and digestive, circulatory, respiratory, excretory, nervous, and endocrine systems. Simple experiments will illustrate how the body functions.

Physics	Grade 11-12	1st and 2nd Semester	1 credit/semester
<i>Prerequisite: Enrolled in or have taken Advanced Math</i>			

Lecture and class discussions will be combined with problems and experiments to study the general topics of mechanics, electricity, magnetism, wave motion, sound, and light. This course will require more than the average amount of time for out-of-class work.

Forensic Science Grade 11-12 1st or 2nd Semester 1 credit/semester RAI

Prerequisite: Physical Science and Biology

Forensic Science is the application of science to civil and criminal legal matters. Students will observe, collect, analyze, and evaluate evidence associated with possible crime scenes. Using scientific methods, students will collect and analyze evidence such as fingerprints, blood, hairs, and fibers. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science.

Zoology Grade 11-12 1st or 2nd Semester 1 credit/semester

Prerequisite: Physical Science and Biology

This course discusses the branch of biology dealing with animals and animal life, including the study of the structure, physiology, development, adaptations, and classification of animals. Some of the topics discussed include the classification of animals, invertebrates and vertebrates, including fishes, amphibians, reptiles, birds, and mammals.

SOCIAL STUDIES

American Government Grade 12 1st or 2nd Semester 1 credit

PHYSICAL EDUCATION

Advanced Strength & Conditioning Grades 10-12 1st and 2nd Semester 1 Credit

The Advanced Strength and Conditioning course is the second level of the strength training curriculum. Students will participate in strength and speed training workouts to improve their overall total body fitness.

Early Bird Advanced Strength & Conditioning Grades 10-12 1st and 2nd Semester 1 Credit

The Early Bird Advanced Strength & Conditioning course is for students who desire to complete their PE requirement before school hours.

Dual/Team Activities Grade 10-12 1st and 2nd Semester 1 Credit

Activities include: Gatorball, team handball, ultimate frisbee, lacrosse, floor hockey, badminton, pickleball, basketball, volleyball, dodgeball etc. This is a higher competitive level PE class structured around tournament style play in the various activities. **This class meets every period for PE.**

Recreational Activities Grade 10-12 1st and 2nd Semester 0.5 Credit

Activities include: outdoor recreation activities, indoor recreation activities, frisbee golf, archery, badminton, pickleball, golf, juggling, speed stacking, etc. This is a low to medium competitive level class focusing on lifetime leisure activities. **This class meets every other period for PE, making it worth .5 credit.**

FINANCIAL LITERACY

*** IF NOT YET FULFILLED

Life Skills

Grade 9-12

1st or 2nd Semester

1 credit

This semester class is designed to prepare students to live on their own in the adult world and provide them with the decision-making and management skills to be successful.

Ag Business Management

Grade 11-12

2nd Semester

1 credit

Individuals entering careers in any agri-business can use business management skills. Money management skills learned in this unit can be applied to any individual regardless of her/his career. Every aspect of managing a business is included in this course: record keeping skills; goal setting; agricultural law; insurance; taxes; marketing; investment options; current technologies; and personal and business finances. **Concurrent Course through DMACC – AGB331 Agri-Business Management**

Financial Literacy

Grades 11-12

1st or 2nd Semester

1 credit

Students will study the management of personal finances, including budgeting, consumer buying, personal credit and debt, savings and investing, home ownership, insurance, and retirement. This course will help prepare all students for their financial challenges now and in the future.

Economics

Grade 11-12

1st or 2nd Semester

1 credit

This course is an introductory look at both macro- and micro-economics. Content for this course includes Wants vs. Needs, Scarcity, Exchange of Resources, Government Influence, Globalization, and Technology. Choosing a career, entrepreneurship, budgeting, saving, investing, credit, insurance, and tax considerations are examined. This course will improve your understanding of key elements of economics and personal finance, and help you make better choices and live a more fulfilling life.

CAREER EXPLORATION

College and Career Planning

Grade 12

1st & 2nd Semester

.125 credits per semester

**** MUST BE ENROLLED IN 4.5 CREDITS A SEMESTER**

12th Grade Electives

*****12TH GRADE STUDENTS MAY TAKE ALL ELECTIVES PREVIOUSLY MENTIONED IN THIS COURSE HANDBOOK. THE FOLLOWING ARE 12TH GRADE SPECIFIC ELECTIVES

CAREER EDUCATION

Multi-Occupations Cooperative Program (MOC)

Grade 12

1st and 2nd Semester

Classroom: Students will be granted .5 credit for this course each semester.

Workplace: Students will be granted 2 credits for this course each semester.

Application Process: Students will complete an application during course registration.

The Multi-Occupations Cooperative Program offers students an opportunity to learn about career and technical interests and about the world of work through both the classroom and actual paid work experience. Each student will be expected to *work at least 10 hours per week*. The student will also be enrolled in the MOC Career Development Class which meets every other day. Students in this class can expect to discuss job expectations, job safety, ethics, communication skills, business plans as well as entrepreneurship. Guest speakers from the community and trips to local businesses will be utilized in this class. **Students may choose to take this class only during the first semester. However, a student may not join this class in the 2nd semester.**

WORLD LANGUAGE - Spanish

Spanish IV

Grade 12

1st and 2nd Semester

1 credit/semester

RAI

Prerequisite: Satisfactory completion of Spanish III; A "C" average in Spanish III is highly recommended.

Spanish IV is a continuation of Spanish III with an emphasis on perfecting the listening, reading, speaking and writing skills of the students. Application of the language learned over the last three years through creative writing and speaking projects, as well as application in using and comprehending authentic texts, media, etc. is the main focus of the class. Most of the conversation will be in Spanish. Additional complex grammar concepts and vocabulary will be taught.

Board of Regents, State of Iowa

Freshman Admission Requirements to the Regent Universities (University of Iowa, Iowa State University, University of Northern Iowa)

Admission of freshmen who wish to enroll at any of the Iowa Regent universities is based on the Regent Admission Index (RAI) formulas described below. In addition, applicants must meet the minimum high school course requirements for the university they wish to enter.

The RAI formula is as follows:

RAI Formula

$$\begin{aligned} & (3 \times \text{ACT composite score}) \\ & + (30 \times \text{Cumulative GPA}) \\ & + (5 \times \text{Number of years of high school core courses}) \\ & = \text{RAI score} \end{aligned}$$

Note: For purposes of calculating the RAI, SAT scores will be converted to ACT composite equivalents, 4.00 is the top value for GPA, and the number of high school core courses completed is expressed in terms of years or fractions of years (e.g., one semester equals 0.5 year). Applicants whose academic records do not include all of the factors listed above will be evaluated on an individual basis by the Regent universities to which they apply.

Freshmen applicants from Iowa high schools who achieve at least a 245 RAI score and who meet the minimum number of high school courses required by the Regent universities will qualify for automatic admission to any of the three Regent universities. Freshman applicants who achieve less than a 245 RAI score may also be admitted to a specific Regent university; however, each Regent university will review these applications on an individual basis and the admission decision will be specific to each institution. Freshman applicants from approved high schools in other states may be held to higher academic standards, but must meet at least the same requirements as graduates of Iowa high schools.

The Regent universities recognize that the traditional measures of academic performance do not adequately describe some students' potential for success. Therefore, the Regent universities strongly encourage all interested students to apply for admission. Applicants who feel their academic record is not an accurate reflection of their potential for success are encouraged to provide supplemental

Note: On pages 2-3, please be aware of classes that DO NOT count towards the RAI.

NCAA Division I Academic Eligibility

Play Division I Sports

If you want to compete in Division I NCAA sports, you need to register with the NCAA Eligibility Center at eligibilitycenter.org to make sure you stay on track to meet initial-eligibility standards.

If you have questions about your eligibility or the registration process, call us toll free at 877-262-1492, Monday-Friday, 9 a.m. to 5 p.m. Eastern time. International students (including Quebec) use our International Contact Form, found at ncaa.org/contactinternational.

Get Ready. Get Set. Go!

Grade 9

- *Start planning now!* Register for a free Profile Page account at eligibilitycenter.org for information on NCAA initial-eligibility requirements.
- Find your high school's list of NCAA-approved core courses at eligibilitycenter.org/courselist to ensure you are taking the right courses, and earn the best grades possible.

Grade 10

- If you are being actively recruited by an NCAA school and have a Profile Page account, [transition](#) it to the right [Certification account](#).
- Monitor the [task list](#) in your NCAA Eligibility Center account for next steps.
- At the end of the school year, ask your high school counselor from each school you have attended to upload an official transcript to your Eligibility Center account.
- If you fall behind academically, ask your high school counselor for help finding [approved courses](#) you can take.

Grade 11

- Ensure your [sports participation](#) information is correct in your Eligibility Center account.
- Check with your high school counselor to make sure you are on track to complete the required number of NCAA-approved [core courses](#) and graduate on time with your class.
- At the end of the school year, ask your high school counselor from each school you have attended to upload an official transcript to your Eligibility Center account.

Grade 12

- [Request your final amateurism certification](#) beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your Eligibility Center account at eligibilitycenter.org.
- Complete your final NCAA-approved [core courses](#) as you prepare for graduation.
- After you graduate, ask your high school counselor to upload your final [official transcript](#) with proof of graduation to your Eligibility Center account.

To be eligible to compete in NCAA sports during your first year at a Division I school, you must meet **ALL** the following requirements:

- Earn 16 NCAA-approved [core-course credits](#):
 - Four years of English.
 - Three years of math (Algebra 1 or higher).
 - Two years of science (including one year of lab, if offered).
 - One additional year of English, math or science.
 - Two years of social science.
 - Four additional years of English, math, science, social science, world language or nondoctrinal religion/philosophy.
- Complete 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of the seventh semester.
- Complete your 16 NCAA-approved core-course credits in eight academic semesters or four consecutive academic years from the start of ninth grade.
- Earn a minimum 2.3 core-course GPA.
- Submit your final transcript with proof of graduation to the Eligibility Center.

What if I don't meet the requirements?

If you have not met all of the Division I academic standards, you may not compete in your first year at a Division I school. However, if you qualify as an academic redshirt, you may practice during your first term in college and receive an athletics scholarship for the entire year.

To qualify as an academic redshirt, you must:

- Earn 16 NCAA-approved core-course credits.
 - Four years of English.
 - Three years of math (Algebra 1 or higher).
 - Two years of science (including one year of lab, if offered).
 - One additional year of English, math or science.
 - Two years of social science.
 - Four additional years of English, math, science, social science, world language or nondoctrinal religion/philosophy.
- Earn a minimum 2.0 core-course GPA.
- Submit your final transcript with proof of graduation to the Eligibility Center.

If you are concerned you may not meet the Division I academic requirements, see Mr. Jacobson as soon as possible.

DMACC Classes at the Hunziker Center

The following classes are taught at the DMACC Hunziker Center in Ames. Classes tend to meet from 7:30-9:30 or 12:50-2:50 Monday through Friday for an entire school year. Please be aware of the time commitment and transportation requirements before you commit to these classes.

To learn more about these classes, check out the following website:

<https://www.dmacc.edu/ames/Pages/amescareeracademy.aspx> and
<https://www.dmacc.edu/ames/Documents/amescareeracademy.pdf>

Automotive Collision Technology

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

Building Trades/Finish Carpentry

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

Business

The Business Academy is an exploratory academy for students who have an interest in entering the business profession but are not sure what pathway they want to go. Students are provided a foundation of business-related courses that will prepare them for entrance in multiple business-related postsecondary opportunities. Six DMACC credits are available upon completion.

*Students will have the opportunity to enroll either Fall or Spring.

Criminal Justice

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

Culinary Arts

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

Health Occupations

This year-long program will provide students the opportunity to explore careers in healthcare and work toward CNA training. Fourteen DMACC credits are available upon completion of all DMACC Career Academy course offerings.

***Courses require extended lab time in the evenings and/or weekends**

Teacher Academy

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

Virtual Computer Programming

This class is a virtual class out of the Carroll DMACC campus. Our students will take this course while in study hall at Gilbert High School virtually from 8:00-9:15 Monday through Friday or from 2:10-3:25. This course has an advanced option that can be taken for a second year.

Students will learn:

- Basic programming concepts
- Solve problems using various programming languages
- Gain skills for a future technology-based career
- Earn certificates in C# Application Developer and Java Application Developer
-

Welding

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

*****This series of courses is only offered at Nevada High School***

College Course Opportunities

Gilbert High School offers collegiate credit through DMACC (Des Moines Area Community College) and Iowa State University. The credit earned through these post-secondary institutions can apply towards graduation credit at Gilbert High School. Students will receive one credit towards high school graduation per semester class taken at DMACC or ISU. The student will also receive collegiate credit established by the post-secondary institution which can count towards a degree at a chosen college or university.

To ensure successful enrollment of these courses, students must sign up early. For the fall semester, registration starts in March and should be completed by the end of the school year. For the spring semester, registration starts in October and should be completed by mid November.

Iowa State University

Iowa State University college credit will be awarded to students upon successful completion of these courses in addition to the high school credit received.

A. Post-Secondary Enrollment Option (PSEO): This PSEO program allows juniors, seniors, along with freshman and sophomore who are identified ELP students, to enroll in collegiate level courses. Students will need to successfully complete the Gilbert High School level of the course before registering for the collegiate level course. Students will need to fill out a pen/paper registration form provided through the high school counseling office. Registration for fall semester should be completed between March to May. Students should not plan to register for college classes during the summer. Registration for spring semester starts in October and should be completed by mid November. Please see page 7 for more information pertaining to the PSEO.

These courses must be:

1. Nonsectarian-not involving or relating to a specific religious sect or political group.
2. Credit-bearing that lead to an educational degree. (can not be part of a certificate)
3. Courses in discipline areas of mathematics, science, social studies, humanities, and career and technical education.

Cost will apply for failing or not completing the course. Post-secondary students are eligible for these courses before high school students. Courses and grades earned will be on the students high school transcript, but will not impact GPA. Courses and grades earned will be on the student's college transcript.

****Students who take courses on-campus will only be allowed 30 minutes of travel time to and from the college campus.**

DMACC (Des Moines Area Community College)

DMACC credit will be awarded to students upon successful completion of these courses in addition to the high school credit received.

A. On Campus Course Option (OCCO): This is an option for students who would like to take a **face to face** semester course at one of the DMACC locations or attendance centers. Students will need to fill out a pen/paper registration form provided through the high school counseling office. The registration deadline for fall classes is at the end of the school year. Books will be delivered and returned to the high school counseling office. There is no sign-up cost to the student. One high school credit will be offered per semester course.

Students who take courses on-campus will be allowed 30 minutes of travel time to and from the college campus. Courses and grades earned will be on the students high school transcript and will impact GPA. Courses and grades earned will be on the student's college transcript. A list of courses can be found here: <https://www.dmacc.edu/Schedule/Pages/welcome.aspx>

B. Online Career Advantage (OLCA): Students may choose to take an online semester course through DMACC at no cost for the student. Students will need to fill out a pen/paper registration form provided through the high school counseling office. Books will be delivered and returned to the high school counseling office. There is no sign-up cost to the student. One high school credit will be offered per semester course. Students have felt most successful when time has been scheduled during the school day to complete the online course, therefore one study hall will be scheduled into the school day for the student to complete work pertaining to their online course. Courses and grades earned will be on the students high school transcript and will impact GPA. Courses and grades earned will be on the student's college transcript.

Please see [this website](https://www.dmacc.edu/Schedule/Pages/welcome.aspx) for online course options. When selecting the location please choose "Online": <https://www.dmacc.edu/Schedule/Pages/welcome.aspx>.

C. Career Academy - Ames Hunziker Center (see descriptions on Page 41): Students may choose to attend a year-long course at the Ames Hunziker Center. These courses usually take three-four periods of the student's school day depending upon when the course is taken. Students will sign up online via a link shared by the high school counseling office. Students will receive books and materials upon attendance of their first class. There is no sign-up cost to the student. Please see page 54 of this course book for full explanation of these courses or get more information here: <https://www.dmacc.edu/ames/Pages/amescareeracademy.aspx>. Students earn two high school credits per semester for these classes.

D. Tuitioned Courses: Students may take a DMACC course independent of Gilbert High School. Books and course costs are completely covered by the student or parents. This option applies to students who are interested in taking a DMACC course during the summer.

E. Concurrent Enrollment taught at Gilbert High School: Students may take a course offered for college credit at Gilbert High School, which is taught by a Gilbert High School teacher. A representative from DMACC will visit these classes and assist students with signing up for college credit. There is no sign-up cost to the student. Course areas where this option is offered include Business Education, Agriculture Education, and some English courses. Please see these department listings as to which courses are offered as concurrent enrollment.

Post-Secondary Enrollment Options Act (PSEO)

WHAT IS IT?

The Post Secondary Enrollment Options Act allows any juniors and seniors, as well as freshmen and sophomores identified for the Extended Learning Program, to enroll **part-time** at an eligible community college, state university, or private college or university.

THE PURPOSE

The Post Secondary Enrollment Options Act has a dual purpose: to provide rigorous educational pursuits and to provide a wide variety of options for students. In other words, it provides the student opportunity to take courses not currently offered in the high school curriculum.

HOW MANY CLASSES CAN A STUDENT TAKE?

There is not a limit on the number of “dual credit” classes a student can take each semester. Realistically, the combination of credits taken at the local school and at college should not exceed six. However, there is a limit each semester on the number of dual-credit classes the local school district **will pay for** under the PSEO. The college classes must be worked into the student’s high school schedule and must not cause the student to miss any of their local high school classes.

WHAT ABOUT CREDITS?

The student will receive what is called “dual credit” at the local high school. In other words, one high school credit for each course successfully completed at the college or university. The college credits may also count toward a degree at the chosen college or university. Grades earned for dual credit/post-secondary courses are not figured into the student’s high school GPA. They may be figured into the student’s eventual college GPA.

WHAT ARE THE COSTS?

For public school students, the pupil’s high school pays the college or university for the cost of tuition, textbooks, materials and fees up to \$250 per course. There is no personal expense for tuition, materials, fees, etc. for any student in this program.

ARE THERE ANY RESTRICTIONS?

Yes, there are five restrictions:

1. Student’s must limit credits so they are not considered a full-time college student (12 credits is considered full-time status).
2. The course cannot be something currently offered in the high school curriculum. The home school district has sole determination of that restriction.
3. The student must meet all the entrance requirements of the college the class is offered through and have a satisfactory grade point average or by other criteria established by the GHS principal or his/her designee.
4. The courses must be secular in nature and exclude physical education.
5. Students who fail or do not complete a college course under the PSEO are required to reimburse the local school district for tuition costs. Courses which do not meet these four restrictions can still be taken for dual credit; however, they will not be eligible for reimbursement under the PSEO.

Advanced Placement Opportunities

Gilbert High School AP Course Offerings

AP Language & Composition

AP Literature & Composition

AP Computer Science Principles

AP Calculus

What is Advanced Placement?

Advanced Placement (AP) is a program of college-level courses and exams that give advanced, highly-motivated students the opportunity to earn credit for college while they are still in high school.

Why Take AP Courses?

There are many benefits for students who take AP courses:

- The chance to study new and challenging subjects, discover new interests, and get a jump start on their college career.
- The opportunity to take courses that are more challenging, rigorous, and in-depth—exactly the kinds of courses they will face once they are in college.
- By earning credit from their AP courses, students may be able to pursue a double major, to study or travel abroad, or to combine a bachelor's and master's program.

AP Courses are not for everyone. They are intense, rigorous, and require self-direction and motivation.

How Do AP courses work?

The AP Program is divided into two components:

1. A yearlong course of study, or for some courses a semester-long course of study
 2. A nationally coordinated exam
- The nationally coordinated exams are given over a two-week period in May. Any student can pay for and take an AP exam. If students score a high enough score on the exam, they may be exempt from taking the course in college. Although requirements vary from college to college, most accept scores of 3 or higher.