

HIGH SCHOOL COURSE GUIDE

2023-24



DMCS
DES MOINES CHRISTIAN SCHOOL

COURSE INDEX

2023–24

BIBLE	3	FITNESS	16
Bib 9	3	Fitness I	16
Bib 10	3	Fitness II	16
Bib 11	4	MATH	17
Bib 12	4	Algebra I	17
Bible Foundations	5	Geometry	17
BUSINESS	6	Algebra II	17
Accounting I	6	Pre-Calculus/Trigonometry**	17
Accounting II	6	Calculus I**	18
Personal Finance	6	Statistics**	18
Intro to Business	6	SCIENCE	19
College & Career Readiness	7	Physical Science	19
ENGLISH	8	Biology	19
English 9	8	Chemistry	19
English 10	8	Health	19
American Literature	8	AP Physics	20
Composition I**	9	Anatomy/Physiology	20
Composition II**	9	General Chemistry I**	20
Creative Writing**	9	General Chemistry II**	20
Intro to Film**	9	Sports Physiology	20
Intro to Lit**	10	SOCIAL STUDIES	21
Contemporary Literature**	10	US History	21
Oral Communication**	10	World History	21
FINE ARTS - VOCAL	11	American Government	21
VICTORY	11	Economics	21
Choir I	11	Psychology	22
Choir II	11	Sociology	22
FINE ARTS - INSTRUMENTAL	12	AP US History	22
Jazz Band	12	Foundations of Education	22
Color Guard	12	Initial Field Experience in Teaching**	23
Band	12	Survey Criminal Justice Agencies**	23
FINE ARTS - VISUALS	13	Police and Society	23
Art Foundations	13	TECHNOLOGY	24
Visual Arts: Drawing I**	13	Comp Apps for Buisness	24
Visual Arts: Painting I**	13	Graphic Design I	24
Graphic Design I**	14	Graphic Design II**	24
Graphic Design II**	14	Yearbook	24
Senior Art	14	Intro to Engineering and Design	25
Yearbook	14	Computer Science Principles I	25
Ceramics	14	Computer Science Principles II	25
FOREIGN LANGUAGE	15	STUDENT SUPPORTS	26
Spanish I	15	Study Skills	26
Spanish II	15	Structured Learning Time	26
Spanish III	15	Academic Intervention	26
Spanish IV	15		

** Dual Credit Course

BIB 9*

Duration:	1 semester (fall)
Credits:	1
Open To:	9th Grade
Dual Credits:	No
Prerequisites:	None

This course will begin with an overview of the entire Old Testament, following the establishment of the Israelites and their journey into the Holy Land. Students will gain a bird's eye view of the Old Testament and how it fits in with the New Testament. Alongside Israel's story, students will learn Bible study methods and how to apply God's Word to their life.

BIB 9*

Duration:	1 semester (spring)
Credits:	1
Open To:	9th Grade
Dual Credits:	No
Prerequisites:	None

The second half of a 9th grade student's year will be the connection of the Old Testament covenant and promises into the intensity of the New Testament's redemption through Jesus Christ. Students will focus on the Book of Acts and the rest of Paul's letters, being motivated by the actions of the first church to apply their own faith into practice in their local churches.

BIB 10*

Duration:	1 semester (fall)
Credits:	1
Open To:	10th Grade
Dual Credits:	No
Prerequisites:	None

This course will begin with an in-depth look at the United Kingdom of Saul, David and Solomon. The history of the kings and the rise and fall of Israel is integral to understanding the need for a Savior. As a part of this course, Psalms, Proverbs and Ecclesiastes will also be studied and connected to students' personal journeys in their own life battles of identity and faith.

BIB 10*

Duration:	1 semester (spring)
Credits:	1
Open To:	10th Grade
Dual Credits:	No
Prerequisites:	None

Digging into the four Gospels, students will discover the desperate need for a Savior 2000 years ago and how the same need exists today. Through the lens of the authors of each Gospel, and the new laws that Jesus is establishing, students will also evaluate the ethics and absolute truth of the Gospels and how they apply in our world today.

BIB 11*

Duration:	1 semester (fall)
Credits:	1
Open To:	11th Grade
Dual Credits:	No
Prerequisites:	None

The students will study scripture concerning the defense of our faith, grounding each student in his/her Biblical beliefs. These students will become knowledgeable in current philosophies and demonstrate an ability to give reasoned Biblical answers to the philosophies and issues in our world today. Through readings, projects, videos, lectures, assignments and discussion they will develop Biblical apologetic skills. The students will deepen their knowledge and understanding of the doctrines of Heaven, Hell, pain, suffering, death, natural disasters, miracles, the divinity of Jesus, the validity of the Bible and the Holy Spirit while defending those Biblical and orthodox views.

BIB 11*

Duration:	1 semester (spring)
Credits:	1
Open To:	11th Grade
Dual Credits:	No
Prerequisites:	None

Students will put to use their first semester knowledge and belief system of Biblical Worldview and Apologetics to examine our popular culture today and the temptations that come with it for teens and young adults. Furthermore, they will come to an understanding of various counterfeit religions (mainly Islam) and false world philosophies as they relate to Biblical Christianity. Exploration of all worldviews will be undertaken while examining how they have infiltrated our secular and mainstream world.

BIB 12*

Duration:	1 semester (fall)
Credits:	1
Open To:	12th Grade
Dual Credits:	No
Prerequisites:	None

To prepare our seniors for life after high school, students will study the major themes, doctrines, messages, and directives of the book of Romans chapters one through fourteen. This detailed journey will display the way to Christian Living as an adult. The students will also study the life of Paul as an introduction to the book of Romans along with the historical context of the Roman culture to which Paul writes.

BIB 12*

Duration:	1 semester (spring)
Credits:	1
Open To:	12th Grade
Dual Credits:	No
Prerequisites:	None

The senior seminar class is designed as the culminating experience in the Bible department. Students have taken multiple years of Bible content leading up to the senior year and now will have an opportunity to apply what they have learned. There is no additional content provided in this class. Students will have opportunities to create experiences in which to apply their Bible knowledge. Examples include logging community service hours, writing and illustrating a children's book which outlines the Gospel message, writing their personal theology statement, interviewing pastors, creating a project of their own choosing, doing a book study on a Christian book, and giving their "Senior Sermon" to other members of the high school student body. Students may benefit from a flexible schedule for this class as they will need time to work on projects throughout the semester.

BIBLICAL FOUNDATIONS

Duration:	1 semester
Credits:	1
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	None

For students who are new to DMC and transferring from a public school, Biblical Foundations is a cornerstone class for all other Bible courses that are offered. This class will form a strong foundation for students, exploring Old and New Testament connections, becoming proficient in Biblical Worldview principles, understanding the power of the Gospel, and creating confidence for students as they head towards our Senior Seminar capstone.

ACCOUNTING I

Duration:	1 semester (fall)
Credits:	1
Open To:	11–12th Grade
Dual Credits:	No
Prerequisites:	None

Accounting I will give students a background in basic accounting procedures used to operate a business. Students will learn accounting procedures for a variety of businesses. Real-world scenarios and situations are given so the students can relate easily to the curriculum. Any student looking into a business related field would benefit from taking this class, as it provides a firm foundation for a future in business.

ACCOUNTING II

Duration:	1 semester (spring)
Credits:	1
Open To:	11–12th Grade
Dual Credits:	No
Prerequisites:	Accounting I

An extension of Accounting I, this course will continue with basic accounting procedures used to operate a business. Students will learn accounting procedures for a variety of businesses. Real-world scenarios and situations are given so the students can relate easily to the curriculum. Any student looking into a business related field would benefit from taking this class, as it provides a firm foundation for a future in business.

PERSONAL FINANCE*

Duration:	1 semester
Credits:	1
Open To:	10–12th Grade
Dual Credits:	No
Prerequisites:	None

This course allows you to learn about various financial situations that you may be faced with in life. We will cover basic financial institutions, budgeting, savings, debt, being a smart consumer, taxes, investing, insurance and discuss options after high school. This class will also examine the national trends of money and will teach students how to escape common financial pitfalls.

INTRO TO BUSINESS

Duration:	1 semester
Credits:	1
Open To:	11–12th Grade
Dual Credits:	No
Prerequisites:	None

An introduction to the exciting and challenging world of business. If you are interested in pursuing a career in business, this would be a great introductory class to learn more. Some topics we will explore include: economics, advertising, budgeting, writing a business plan, management, marketing and sales. Through this class students will grasp a better understanding of business ownership by creating, managing and maintaining a food truck.

COLLEGE & CAREER READINESS

Duration:	1 semester
Credits:	1
Open To:	10–12th Grade
Dual Credits:	No
Prerequisites:	None
Course Max:	15
Other Notes:	Student must be at least 16 years old so they can drive to work-based locations.

What are my gifts? What is my purpose? What is God calling me to after high school? How should I prepare for that calling (including job applications, interviews, business emails, internships, etc)? We believe students are created on purpose for a purpose and this class is designed to help them identify God-given talents and gain general job readiness skills so they are prepared to do what God is calling them to do.

The class will provide practical application of the job readiness skills in an area of career interest. Students have the opportunity to “test drive” their gifts prior to committing to college majors and finding out they don’t enjoy something as much as they thought they did.

This class is designed for the autonomous learner who can meet professional expectations, including dress, speech, time management, and communication with DSM business partners. Students will be responsible for seeking out and finding a placement for their off campus work-based learning partnership in addition to completion of a portfolio that may include reflections or examples of projects completed in collaboration with the business partner.

ENGLISH 9*

Duration:	Full Year
Credits:	2
Open To:	9th Grade
Dual Credits:	No
Prerequisites:	None

This course provides a thorough review of basic grammar, usage, and vocabulary, as well as an introduction to advanced grammar concepts such as clauses, phrases, and sentence structure. Students will go through the steps of the writing process and write a variety of pieces ranging from paragraphs to essays, including an original short story. Students will learn to go beyond simple reading comprehension and will begin to practice literary interpretation and analysis. Students will read a variety of works including poems, short stories, plays, Scripture, and novels. Larger works include *Romeo and Juliet*, *The Crucible*, and *To Kill a Mockingbird*.

ENGLISH 10*

Duration:	Full Year
Credits:	2
Open To:	10th Grade
Dual Credits:	No
Prerequisites:	English 9

This course provides a thorough review of advanced grammar concepts such as clauses, phrases, and sentence structure. Students will continue to strengthen their writing skills by writing a variety of pieces ranging from paragraphs to essays, including an in-depth literary analysis of a worship song. Students will continue to practice literary analysis of pieces including poems, short stories, plays, Scripture, and novels. Larger works include the book of Genesis, Greek Mythology, *Antigone* by Sophocles, and Shakespeare's *Julius Caesar*.

AMERICAN LITERATURE*

Duration:	Full Year
Credits:	2
Open To:	11th Grade
Dual Credits:	No
Prerequisites:	English 9, 10

We study American literature, from the histories, biographies, and journals of the earliest colonists to the poetry and prose of our modern writers. Students will analyze fiction and non-fiction through the lens of history, literary criticism, and thematic ideas that appear over and over again throughout American literature. Socratic discussions will be the principal approach to literary analysis. Students will increase their understanding of formal grammar usage through their written work (i.e. answers to study/essay questions, vocabulary study, and formal compositions). Students will gain proficiency in oral communication through interaction in discussions and oral presentations.

COMPOSITION I

Duration:	1 semester (fall)
Credits:	1
Open To:	11–12th Grade
Dual Credits:	3 DMACC Credits
DMACC Course:	DMACC ENG 105
Prerequisites:	English 9, 10, American Literature

This course introduces students to college writing and is designed to help students read and write effectively. Students will construct and revise a series of writings; primarily expository but not excluding persuasive. In addition, the class includes effective reading and research techniques that may include library and computer-based skills. This course is taught from a Biblical worldview perspective but is equivalent to English 105 at DMACC.

COMPOSITION II

Duration:	1 semester (spring)
Credits:	1
Open To:	12th Grade
Dual Credits:	3 DMACC Credits
DMACC Course:	DMACC ENG 106
Prerequisites:	Composition I

Expository and persuasive writing developed through critical reading. The course explores structure, style, research and documentation. This course is taught from a Biblical worldview perspective but is equivalent to English 106 at DMACC.

CREATIVE WRITING

Duration:	1 semester (fall)
Credits:	1
Open To:	11–12th Grade
Dual Credits:	3 DMACC Credits
DMACC Course:	DMACC ENG 221
Prerequisites:	English 9, 10

This course gives students the chance to create other forms of written work, which are creative and not expository in nature. Students examine a selection from each of the major areas of study and then seek to pattern their work after the “masters.” Areas of study include the short story, playwriting and dramatic production, poetry, and the novelette. This course is offered on an every other year basis.

INTRO TO FILM

Duration:	1 semester (spring)
Credits:	1
Open To:	11–12th Grade
Dual Credits:	3 DMACC Credits
DMACC Course:	HUM 120
Prerequisites:	English 9, 10

An introduction to the conventions, scope, purposes and techniques of films. Includes viewing and writing about a variety of films.

This course includes 2 hours of lab time.

INTRO TO LIT

Duration:	1 semester (fall)
Credits:	1
Open To:	12th Grade
Dual Credits:	3 Credits
DMACC Course:	DMACC LIT 101
Prerequisites:	English 9, 10, American Literature

This course offers an introduction to the study of poetry, fiction, and drama, emphasizing analytical writing, interpretation, and basic critical approaches. Students will read a range of authors that span cultural and ethnic groups across history.

CONTEMPORARY LITERATURE

Duration:	1 semester (spring)
Credits:	1
Open To:	12th Grade
Dual Credits:	3 DMACC Credits
DMACC Course:	DMACC LIT 185
Prerequisites:	English 9, 10, American Literature

This course is an Introduction to the study and appreciation of significant contemporary writers and literary movements from 1945 up through the present day. Emphasis on the relationship of current literature to society as well as global contexts written by a diverse collection of writers. Basic critical approaches are emphasized.

CHOIR I

Duration:	Full Year
Credits:	2
Open To:	9–10th Grade
Dual Credits:	No
Prerequisites:	None
Other Notes:	Required for participation in Show Choir

Choir I is an entry-level ensemble where students learn the basics of sight-reading, music theory and develop a healthy singing technique through gender specific and combined gender instruction. This is an exceptional environment to earn fine arts credit for graduation or fulfill a love of singing. Students will be introduced to a variety of three and four-part choral music and perform selected repertoire from memory at concerts throughout the year.

Men in this choir will meet during one day during the cycle, women will meet one day during each cycle and the remaining days will be combined rehearsals.

CHOIR II

Duration:	Full Year
Credits:	2
Open To:	11–12th Grade
Dual Credits:	No
Prerequisites:	None
Other Notes:	Required for participation in Show Choir 9th–10th graders may be accepted through a successful Victory audition

Choir II is an intermediate choral ensemble of roughly 60-80 singers. Students in this ensemble have an understanding of healthy vocal technique, strong sight-reading skills, strong work ethic and a desire to sing choral music that will advance their skills. Students will be introduced to a variety of SATB(div) choral music, compete at State Large Group Contest and perform selected repertoire from memory at concerts throughout the year.

VICTORY

Duration:	Full Year
Credits:	1
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	None
Other Notes:	Auditioned group Early Bird (Odd number schedule days)

Victory is the most select auditioned choral ensemble. It consists of 16-24 singers who are also members of concert choir. Victory sings a wide variety of advanced choral literature. Students commit to extra rehearsals, performances and ministry engagements. Students who are selected enjoy additional privileges of auditioning for the Iowa All State Chorus, solo and ensemble contest, Christmas caroling and Singing Valentines.

FINE ARTS - INSTRUMENTAL

DMC High School Course Descriptions

1 Fine Arts credit required for graduation
* Required Course

JAZZ BAND

Duration:	Full Year
Credits:	1
Open To:	9–12th Grade
Dual Credits:	No
Co-requisites:	None
Other Notes:	Early Bird (Mon, Wed, every other Fri)

Jazz Ensemble is an auditioned group that plays a wide variety of “jazz” music from swing, Latin, funk and the blues. Students commit to extra rehearsals, competitions and other engagements outside the regular school day. Additional fees may come with jazz band that are not covered by the activity fee. Concert Band membership is required of all jazz band members. Jazz Band meets during the Early Bird class period. See teacher syllabus for details.

COLOR GUARD

Duration:	1 semester
Credits:	0.5
Open To:	9–12th Grade
Dual Credits:	No
Co-requisites:	None

Color Guard is for the first quarter of the school year during marching band season. The student must be available during 1st period during Concert Band. Once Marching Band season is over, the student will join study hall for the last part of the semester. If the student participates for all 4 years, it can satisfy PE requirements.

BAND

Duration:	Full Year
Credits:	2
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	None

This course is designed to develop a student's basic working knowledge of instrumental music fundamentals. It is open to all students with previous instruction on wind or percussion instruments. Students learn basic, intermediate and advanced theory. To receive a solid music education, students are expected to participate the entire year in marching band, concert band and pep band. Students are asked to perform outside of the regular school day three times a year for concert band, and 3-4 times a year for concerts. Additional fees may come with concert band that are not covered by the activity fee.

ART FOUNDATIONS

Duration:	1 Semester
Credits:	1
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	None

Introductory course of all visual art standards, no previous art experience required. Students will use a variety of media, techniques and processes to explore the elements of art and solve creative problems. Students will engage in the creative process through creating, presenting, responding and connecting art to themselves and others.

VISUAL ARTS: DRAWING I

Duration:	1 Semester
Credits:	1
Open To:	10–12th Grade
Dual Credits:	3 DMACC Credits
DMACC Credits:	DMACC 133
Prerequisites:	Art Foundations

Visual Arts: Drawing I further explores the elements of art and principles of design learned in Art Foundations. The drawing media of graphite, charcoal, oil pastel, pen and ink will be primarily used. This course is recommended for students with a strong interest in art or considering careers requiring artistic skill. Students will engage in the creative process through creating, presenting, responding and connecting art to themselves and others.

VISUAL ARTS: PAINTING I

Duration:	1 Semester
Credits:	1
Open To:	10–12th Grade
Dual Credits:	3 DMACC Credits
DMACC Credits:	DMACC 143
Prerequisites:	Art Foundations

Visual Arts: Painting I further explores the elements of art and principles of design learned in Art Foundations.

Acrylic, tempa and watercolor paint will be primarily mediums used. These courses are recommended for students with a strong interest in art or considering careers requiring artistic skill. Students will engage in the creative process through creating, presenting, responding and connecting art to themselves and others.

GRAPHIC DESIGN I

Duration:	1 Semester
Credits:	1
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	None

This course is an introductory to the principles and elements of graphic design. Students will explore different avenues of visual communication, self expression and creative problem solving through the creation of a variety of visual communication pieces.

GRAPHIC DESIGN II

Duration:	1 Semester
Credits:	1
Open To:	10–12th Grade
Dual Credits:	3 DMACC Credits
DMACC Credits:	DMACC GRD 301
Prerequisites:	Graphic Design I

Graphic Design II takes a deeper dive into the principles and elements of graphic design. Students will explore different avenues of visual communication, self expression and creative problem solving through the creation of a variety of visual communication pieces.

*GD II is a dual credit course through DMACC and is equivalent to DMACC's GRD 301 for 3 college credits.

SENIOR ART

Duration:	Full Year
Credits:	1
Open To:	12th Grade
Dual Credits:	No
Prerequisites:	Art Foundations

Art students will go in depth into a chosen medium or technique. The students will use various art medias and utilize the techniques and knowledge learned to complete impactful works of art that have historical, conceptual, or expressive relevance. Special emphasis will be placed on creating work for a variety of competitions, writing artist statements and preparing work for senior exhibition and college portfolio reviews.

YEARBOOK

Duration:	Full Year
Credits:	2
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	None

Yearbook Journalism has been designed to provide students with journalistic skills and the ability to apply those skills to actual yearbook production. Units of study include concept, thematic development, section development, reporting and writing, headlines, photography, design/layout, graphics, and marketing.

CERAMICS

Duration:	1 Semester
Credits:	1
Open To:	10–12th Grade
Dual Credits:	No
Prerequisites:	Art Foundations

Comprehensive introductory experience working clay. Fundamental techniques demonstrated where students will learn about pottery tools and their uses, construction methods (such as coil, slab, and wheel throwing), the various forms and designs of ceramics, the application of glazes, and different glazing techniques, and the operation of a ceramic kiln. The discovery of finding one's unique sense of touch is stressed. Concepts in ceramic art are discussed, connecting cultures, artists, and contemporary objects.

SPANISH I

Duration:	Full Year
Credits:	2
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	None

In Spanish I, students are introduced to the fundamentals of the Spanish language and culture. They will develop novice level skills in listening, speaking, reading, and writing the Spanish language. An emphasis is placed on introductory conversational topics, the conjugation and use of high-frequency verbs, and the development of grammatical and phonemic awareness. In addition, students will gain an appreciation for the Hispanic culture as found around the world.

SPANISH II

Duration:	Full Year
Credits:	2
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	Spanish I

In Spanish II, students work on deepening their vocabulary while still focusing on common, everyday scenarios in Spanish language. We begin to target some compound grammatical structures. We emphasize understanding when we read and listen to stories, discuss images and short videos, and read novels. As students' comprehension grows, writing and speaking abilities begin approaching an intermediate level. Study of culture will continue as we make connections to our own cultural practices and perspectives.

SPANISH III

Duration:	Full Year
Credits:	2
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	Spanish II

In Spanish III, students will continue to deepen their study of the Spanish language. A wider vocabulary is developed, and more emphasis is placed on the language structure. Students learn to construct more abstract discourse with one another and be comfortable speaking in tenses other than the present in order to provide them with all of the resources necessary to interpret input and carry on an authentic conversation. A variety of materials and resources is used to give a comprehensive understanding of the language and the role students can play in the culture.

SPANISH IV

Duration:	Full Year
Credits:	2
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	Spanish III

In Spanish IV, students continue to broaden our vocabulary through reading and listening to stories and texts related to important cultural topics. We branch out into bigger global and historical themes through a variety of media, with an emphasis on more authentic texts. We review the grammar that has been previously targeted with a bigger emphasis on form and accuracy as well as targeting more complex grammatical structures. Students' writing and speaking will expand to more cohesive, paragraph-length discourse.

FITNESS

DMC High School Course Descriptions

2 Fitness credits required for graduation

* Required Course

FITNESS*

Duration:	1 semester
Credits:	1
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	None

The HS Fitness course at DMCS is a collaboration between the student & teacher to create an Individual Health Plan (IHP) that equips students with the knowledge and discipline to create lifelong healthy habits. During the course, the teacher will diagnose, prescribe, evaluate, and direct student learning in terms of DMCS objectives (either singly or in collaboration with other professional staff), and assess student progress during and following instruction in terms of the IHP, and use the information to develop further educational procedures. We will be using the PLT4M app that was purchased for this coming school year. In this app we will set up IHP's, and we will be able to record and track progress throughout the school year. Below is the information to access the PLT4M program.

The P.E. requirement may be waived if the student enrolls in two of three Art, Music, or Band courses per semester for ALL four years of high school.

ALGEBRA I*

Duration:	Full Year
Credits:	2
Open To:	8–10th Grade
Dual Credits:	No
Prerequisites:	Pre-Algebra

This course sets a strong, solid foundation in working with negative numbers and proceeds to introduce algebraic concepts of variables, functions, relations, polynomials, systems of equations and inequalities, rational exponents, and quadratic equations.

GEOMETRY*

Duration:	Full Year
Credits:	2
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	Algebra I

This course develops the student’s ability to reason and investigate relationships among figures. Topics to be covered during the year are: lines and planes, proof, congruence and similarity of triangles and quadrilaterals, trigonometry, circles, area, and volume.

ALGEBRA II*

Duration:	Full Year
Credits:	2
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	Geometry

This course completes the automation of the fundamental skills of algebra and is designed to meet the needs of college-bound students. It is the springboard to advanced math concepts.

PRE-CALCULUS/TRIGONOMETRY

Duration:	Full Year
Credits:	2
Open To:	9–12th Grade
Dual Credits:	5 DMACC Credits
DMACC Course:	DMACC MAT 129
Prerequisites:	Algebra II

This is a mathematical problem-solving course. The precalculus involves but is not limited to functions (polynomial, rational, exponential and logarithmic), systems of equations and inequalities, and sequences and series. The trigonometry sections use both the right triangle and unit circle approach. Polar coordinates and vectors are also studied.

CALCULUS I

Duration:	Full Year
Credits:	2
Open To:	9–12th Grade
Dual Credits:	5 DMACC Credits
DMACC Course:	DMACC MAT 211
Prerequisites:	Pre-Calc/Trig

This is a rigorous college level course covering all topics required for the AB Advanced Placement calculus exam plus all required DMACC competencies for Calculus I. The areas of study include graph analysis, limits of functions, continuity of functions, derivatives at a point and as a function, integration and techniques of anti-differentiation. Students may receive college credit upon successful completion of the AP Exam or by opting to take this course as a dual credit course.

STATISTICS

Duration:	Full Year
Credits:	2
Open To:	11–12th Grade
Dual Credits:	4 DMACC Credits
DMACC Course:	DMACC MAT 157
Prerequisites:	Algebra II

Statistics is a college-level course that focuses on the collection, interpretation, and dissemination of data as well as the study of Probability. Topics include normal models, confidence intervals, hypothesis testing, and regression.

PHYSICAL SCIENCE*

Duration:	Full Year
Credits:	2
Open To:	9–10th Grade
Dual Credits:	No
Prerequisites:	None

Physical Science is the study of matter and energy and includes chemistry and physics. It is a basis for the further study of chemistry and physics. Labs or investigations are used to provide students hands on learning and practical applications. Math is very important to science students and calculators should be brought and used in class. Topics that will be studied include: matter, the periodic table, elements, mixtures, compounds, chemical reactions, light and electromagnetic spectrum, energy, heat, motion, Newton’s laws and momentum.

BIOLOGY*

Duration:	Full Year
Credits:	2
Open To:	9–10th Grade
Dual Credits:	No
Prerequisites:	Physical Science

This is a general introductory biology course. Topics that will be studied include: cells, genetics and heredity, ecosystems, microorganisms, basic anatomy and physiology, and creation/ evolution. Both labs and investigations are used to provide hands on learning and practical applications.

CHEMISTRY

Duration:	Full Year
Credits:	2
Open To:	10–12th Grade
Dual Credits:	No
Prerequisites:	Physical Science, Biology

This is a general introductory chemistry course. The students will become familiar with the following areas of study: Introduction to Chemistry and Matter, Organization of Matter, Language of Chemistry, and Phases of Chemistry. Labs or investigations are used. The successful completion of this course will allow the student to have the groundwork necessary to be prepared for their first-year college chemistry course. The students will be given the opportunity to see the amazing design of our universe and that should give them a desire to seek out the Creator.

HEALTH*

Duration:	1 Semester
Credits:	1
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	None

Students will examine their lifestyles, select goals, and make plans to achieve and maintain optimum health. Students will learn about behaviors that help prevent illness or accidents and promote health or improve the quality of the environment. Health provides current facts in areas of mental health, family and social health, nutrition, exercise and fitness, drugs, safety and first aid, and community and environmental health.

AP PHYSICS

Duration:	Full Year
Credits:	2
Open To:	11–12th Grade
Dual Credits:	Exam-Dependent
Prerequisites:	Physical Science Algebra II

Students will become familiar with the following areas of study: Introduction and Mathematical Concepts, Linear and Rotational Kinematics, Forces and Work, Energy and Motion. This course will assist students to develop their critical thinking skills, including but not limited to general problem solving, the break down of complex problems into workable parts, the use of math to solve problems, and working with other students to solve complex problems. Labs or investigations are used. The student will be given the opportunity to see the amazing design of our universe that should give them a desire to seek out the Creator.

ANATOMY/PHYSIOLOGY

Duration:	Full Year
Credits:	2
Open To:	11–12th Grade
Dual Credits:	No
Prerequisites:	None

Anatomy/Physiology is designed for students planning to enter the medical field. This class will study in depth the human body systems and how they interact with each other. This is an upper level course.

GENERAL CHEMISTRY I

Duration:	Full Year
Credits:	2
Open To:	11–12th Grade
Dual Credits:	5 CCU Credits
DMACC Course:	CHM 121
Prerequisites:	Physical Science, Biology

This course studies Atomic structure, stoichiometry, chemical bonding, and gas and solution chemistry.

This course is taught at DMC but through CCU for credit. See your guidance counselor for questions.

GENERAL CHEMISTRY II

Duration:	Full Year
Credits:	2
Open To:	12th Grade
Dual Credits:	5 CCU Credits
DMACC Course:	CHM 122
Prerequisites:	General Chemistry 1

This course is taught at DMC but through CCU. This course has major concepts in four areas of chemistry: physical chemistry (kinetics and equilibrium), analytical chemistry (acids, base, redox), inorganic chemistry (atmospheric chemistry and metals), and organic chemistry (alkanes and function groups).

This course is taught at DMC but through CCU for credit. See your guidance counselor for questions.

SPORTS PHYSIOLOGY

Duration:	1 Semester
Credits:	1
Open To:	11–12th Grade
Dual Credits:	No
Prerequisites:	Physical Science Biology

Students will investigate the effect of exercise on the function and structure of the body as a whole and at a cellular level. Students will use clay models, dissections, and online simulations to understand how the musculoskeletal and nervous system play a part in athletics. Best practices for athletic performance and recovery will also be explored.

US HISTORY*

Duration:	Full Year
Credits:	2
Open To:	9–10th Grade
Dual Credits:	No
Prerequisites:	None

Beginning with the Civil War, students will explore the major events and trends in American history through the most recent times. The approach is conceptual, emphasizing cause and effect relationships in history and utilizing evaluation and decision-making skills.

WORLD HISTORY*

Duration:	Full Year
Credits:	2
Open To:	9–10th Grade
Dual Credits:	No
Prerequisites:	None

This course provides students with a broad background in the history of mankind from creation to the present. Emphasis will be placed on cultures up through the Middle Ages in the first semester and continue with post-Middle ages in the second semester. The main theme running through the course is the effect on history by people created in God’s image who are also sinful. A chronological and cultural approach will be used.

AMERICAN GOVERNMENT*

Duration:	1 semester
Credits:	1
Open To:	11–12th Grade
Dual Credits:	No
Prerequisites:	US History

The course is designed to give the student an in-depth view of state and national government. The Constitution and its changes along with the current judicial interpretations will also be included in this study. A special emphasis will be given to the role of a Christian in the current political process.

ECONOMICS*

Duration:	1 semester
Credits:	1
Open To:	11–12th Grade
Dual Credits:	No
Prerequisites:	None

This course will give each student a basic knowledge of micro, macro and consumer economics with a Biblically based view. Students will gain an ability to understand current economic events and how they affect our government, international decisions and history. Students will become more Christ centered in their decision making.

PSYCHOLOGY

Duration:	1 semester
Credits:	1
Open To:	11–12th Grade
Dual Credits:	No
Prerequisites:	None

This course will introduce students to the history of psychology and the theoretical knowledge needed to understand psychology. Theories, both secular and Christian, will be analyzed by their relationship to Scripture. A common theme in the course is humanity striving to understand themselves and their relationship to others in God's Kingdom.

SOCIOLOGY

Duration:	1 semester
Credits:	1
Open To:	11–12th Grade
Dual Credits:	No
Prerequisites:	None

Sociology focuses on the study of human relationships and how we interact within our own society, in terms of group relationships, and the roles individuals play within groups. Students will examine society using Biblical principles. The course will prepare students to accept cultures different than their own and understand the cultural relevance of each.

AP US HISTORY

Duration:	Full Year
Credits:	2
Open To:	11–12th Grade
Dual Credits:	Exam-dependent
Prerequisites:	US History 3.0 GPA

A thorough study of our country's political, social, diplomatic and economic history will be done, including our founding fathers Christian perspectives and the impact they had. Students will assess historical material, their relevance to a given interpretive problem, their reliability, and importance. They will learn skills necessary to give answers to questions relating to US History in both essay and document based forms. Students may receive college credit upon successful completion of the AP Exam.

The exam is optional; however, students who take the AP exam are exempt from the AP US History semester 2 final.

FOUNDATIONS OF EDUCATION

Duration:	1 semester (fall)
Credits:	1
Open To:	10–12th Grade
Dual Credits:	3 DMACC Credits
DMACC Course:	EDU 210
Prerequisites:	None

This course presents a broad overview of the field of education, including the foundations of American education, roles of teachers and students, history and philosophy, and curriculum. Students will complete a 40-hour practicum at the elementary, middle, or high school level. Recommended for students who plan to major in education.

Course is taught at DMC and is through DMACC. There is no cost, you do need to sign up for the course, though. See your guidance counselor for questions.

INITIAL FIELD EXPERIENCE IN TEACHING

Duration:	1 semester (spring)
Credits:	1
Open To:	10–12th Grade
Dual Credits:	3 DMACC Credits
DMACC Course:	EDU 218
Prerequisites:	Foundations of Education

This course will provide opportunities to enhance understanding of the teaching profession and assist with decisions to pursue a career in education. Students will spend time observing K-12 classroom teaching with a licensed educator to gain insights and a better understanding of the teaching and learning process. Students will complete 64 hours of K-12 observations to include both elementary and secondary experiences.

*Prerequisite: Foundations of Education with a C- or better.

**Course is taught at DMACC and is through DMACC. There is no cost, you do need to sign up for the course, though. See your guidance counselor with questions.

POLICE AND SOCIETY

Duration:	1 semester (fall)
Credits:	1
Open To:	10–12th Grade
Dual Credits:	3 DMACC Credits
DMACC Course:	CRJ 111
Prerequisites:	None

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

*Course is taught at DMC and is through DMACC. There is no cost, you do need to sign up for the course, though. See your guidance counselor with questions.

SURVEY CRIMINAL JUSTICE AGENCIES

Duration:	1 semester (spring)
Credits:	1
Open To:	10–12th Grade
Dual Credits:	3 DMACC Credits
DMACC Course:	CRJ 107
Prerequisites:	Police and Society

This course studies the criminal justice system through an examination of actual agencies, focusing on theoretical vs. real roles and functions of the agencies. Includes on-site visits.

Course is taught at DMC and is through DMACC. There is no cost, you do need to sign up for the course, though. See your guidance counselor for questions.

COMP APPS FOR BUSINESS*

Duration:	1 semester
Credits:	1
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	None

This course is designed to equip students with a general foundation in technology through the Google Suite. Applications include: Sheets, Docs, Slides, Sites, Gmail - to name a few. Students will be applying skills to relevant & real-world tasks such as email etiquette, creating docs, organizing files, utilizing calendar features, etc. The course is a self paced environment but will include the opportunities to collaborate with peers.

GRAPHIC DESIGN I

Duration:	1 semester
Credits:	1
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	None

This course is an introductory to the principles and elements of graphic design. Students will explore different avenues of visual communication, self expression and creative problem solving through the creation of a variety of visual communication pieces.

GRAPHIC DESIGN II

Duration:	1 semester
Credits:	1
Open To:	9–12th Grade
Dual Credits:	3 DMACC Credits
Prerequisites:	None

This course expands on the principles and elements of graphic design. Students will explore different avenues of visual communication, self expression and creative problem solving through the creation of a variety of visual communication pieces.

*GD II may be taken as dual credit courses through DMACC and is equivalent to DMACC’s GRD 301 for 3 college credits each.

*GD 3 and 4 may be taken as dual credit courses through DMACC and is equivalent to DMACC’s GRD 301 and GRD 463 for 3 college credits each.

YEARBOOK

Duration:	Full Year
Credits:	2
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	None

Yearbook Journalism has been designed to provide students with journalistic skills and the ability to apply those skills to actual yearbook production. Units of study include concept, thematic development, section development, reporting and writing, headlines, photography, design/layout, graphics, and marketing.

INTRO TO ENGINEERING AND DESIGN

Duration:	1 semester
Credits:	1
Open To:	10–12th Grade
Dual Credits:	No
Prerequisites:	None

Intro to Engineering introduces students to the design process which applies math, science, and engineering standards to identify solutions for a variety of real problems. Students work both individually and in collaborative teams to develop and document design solutions using engineering notebooks and 3D modeling software such as 3D printers, GlowForge, & Amazon Web Services.

COMPUTER SCIENCE PRINCIPLES I

Duration:	1 semester
Credits:	1
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	CSP I prior to taking CSPII

In Computer Science Principles, students develop the in-demand computer science skills critical to thrive in any of today's and tomorrow's careers. The course promotes computational thinking and coding fundamentals and introduces computational tools that foster creativity. It aims to build students' awareness of the tremendous demand for computer scientists and those who have computational thinking skills, and engages students to consider issues raised by the impact of computing on society. It inspires algorithmic and computational thinking, helping students see themselves in a career path they might not have initially chosen. We are excited to partner with Project Lead the Way to provide this Curriculum.

COMPUTER SCIENCE PRINCIPLES II

Duration:	1 semester
Credits:	1
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	Computer Science Principles I

This course expands on Computer Science Principles. Students will develop the in-demand computer science skills critical to thrive in any of today's and tomorrow's careers. The course promotes computational thinking and coding fundamentals and introduces computational tools that foster creativity. It aims to build students' awareness of the tremendous demand for computer scientists and those who have computational thinking skills, and engages students to consider issues raised by the impact of computing on society. It inspires algorithmic and computational thinking, helping students see themselves in a career path they might not have initially chosen. We are excited to partner with Project Lead the Way to provide this Curriculum.

STUDY SKILLS

Duration:	TBD
Credits:	0
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	None

Des Moines Christian offers student supports for individual with an accommodation plan or academic need. Faculty assist students in developing executive functioning skills such as time management, organization, & self-advocacy in regards to their individual needs associated with the accommodation plan. The classroom is also used as a quiet testing location for individuals with this arrangement.

STRUCTURED LEARNING TIME

Duration:	TBD
Credits:	0
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	None

Structured learning time is assigned by administration after frequent progress monitoring checks for students who need temporary support until they fully develop executive functioning skills such as time management, organization, or self-advocacy. Data points used for monitoring include teacher referrals for content support, failing grades, or missing assignments. While in SLT, students collaborate with faculty & staff to meet established benchmarks and eventually return to independent learning time, located in one of the ILT zones throughout high school.

ACADEMIC INTERVENTION

Duration:	TBD
Credits:	0
Open To:	9–12th Grade
Dual Credits:	No
Prerequisites:	None

Academic intervention is assigned by faculty for students who are non-proficient on PSAT, STAR, or other summative assessments. Students will attend their academic intervention once per cycle to gain proficiency on assessments and assist with future ACT success. A faculty interventionist will collaborate with teachers to create an Individualized plan for each student utilizing tools such as IXL, Delta Math, Khan Academy, or other academic tools that reteach skills or content.