

Unity Christian High School Course Catalog

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Academic Support

Learning Strategies

Credit: 0.5 per semester

Grade: 9, 10, 11, 12

Prerequisites: Discretion of the Director of Academic Support

Learning Strategies is a class that gives a student the opportunity to gain assistance on daily assignments, tests and projects in all academic classes. Referrals to Learning Strategies can be made by the student, teacher or parent. In this class, we strive to help students take responsibility for their education, develop proper study skills and set academic goals. Our Deep Hope for each Learning Strategies student is that they recognize that their work matters, and that they are able to rejoice in their growth and gifts for the glory of God.

Agriculture

Ag Science I Credit: 0.5 Grade: 9, 10, 11, 12

Prerequisites: None

This course focuses on science and history of agriculture, career and leadership opportunities in the field, Biblical principles of stewardship over natural resources, integrated pest management, and plant science. It also highlights the history and development of The FFA Organization and its impacts on student's lives. By studying Ag Science, you are opening the door to the other educational opportunities within the ag department.

Ag Science II

Credit: 0.5 Grade: 9, 10, 11, 12 Prereguisites: Ag Science

This course is designed to give an overview of numerous topics to help students find their interest in the agricultural field. This class explores topics that includes careers in Ag, water and soil quality, plant structure and anatomy, forestry and wildlife, as well as pests, pesticides and their application.

Ag Mechanics I

Credit: 0.5 Grade: 10, 11, 12 Prerequisites: Ag Science

This class will explore the basic skills and knowledge needed to advance in an agriculture mechanic career path. This course focuses on the use of oxyacetylene, stick welding, and wire welding equipment, and the career and leadership opportunities in ag mechanics. By studying Ag Mechanics you are participating in one of the most widely taught classes in agriculture in all 50 states. Ag Mechanics I and II do not need to be taken in a specific order.

Ag Mechanics II Credit: 0.5 Grade: 10, 11, 12 Prerequisites: Ag Science

This class will explore the basic skills and knowledge needed to advance in an agriculture mechanic career path. Through this course, students will learn to identify hand tools, hardware and fasteners used in agricultural mechanics; use principles of electricity and safety for planning simple wiring systems; run wires and safely install boxes, switches, outlets, and fixtures; identify plumbing materials and perform basic plumbing procedures; and use masonry materials to mix and place concrete. By studying Ag Mechanics you are participating in one of the most widely taught classes in agriculture in all 50 states. Ag Mechanics I and II do not need to be taken in a specific order.

Agriculture Business Management

Credit: 0.5 Grade: 10, 11, 12 Prerequisites: Ag Science

This class will explore the basic skills and knowledge needed to advance in an agribusiness career path. This course focuses on the use of net worth statements, cash flows, income and expense summaries, budgets, cost analysis and the career and leadership opportunities in agribusiness. Students will analyze agriculture, farm, and ranch business management information; apply economic principles and concepts of farm business management to make decisions; and evaluate agriculture and farm business management decisions. By studying farm business management you develop business management skills and learn to apply economic principles to agriculture and agribusiness.

Animal & Crop Science

Credit: 0.5

Grade: 10, 11, 12

Prerequisites: Ag Science

This course focuses on agronomy and animal science, the career and leadership opportunities in agriculture, and the biblical stewardship of our crops and animals. It is designed to emphasize approved practices in crop science for grain, oil, specialty crops. forage and pasture management. The course will also include approved practices in animal science to determine nutritional requirements, animal health, genetics & reproduction, management of small animals, dairy & other livestock, & horse management. By studying animal and crop science you are opening the door to exciting educational programs and careers that contribute to better living conditions for people everywhere. What role will you play in the challenging task of producing food and fiber that will be required by future generations?

Horticulture I

Credit: 0.5 Grade: 10, 11, 12 Prerequisites: Ag Science

This course focuses on the career and leadership opportunities in horticulture, the Biblical stewardship of our plants, management practices of a greenhouse, floriculture and landscaping. Students will be able to recognize and describe plant parts, explain the needs of plants, explain the factors that make up a plant's environment, and how to propagate plants. By exploring horticulture, you will be experiencing the most rapidly growing area in the field of agriculture. This new-found interest is because people look inwardly at a need to be closer to nature and outwardly at a world in which efficient methods of food production and conservation of the land are increasingly important.

Horticulture II

Credit: 0.5 Grade: 10, 11, 12 Prerequisites: Ag Science

A continuation of Horticulture I. Horticulture I and II do not need to be taken in a specific order.

Independent Ag

Credit: 0.5 Grade: 12

Prerequisites: Ag Science

This course is designed to help students grow in the Agriculture field with supervision from the Ag instructor. Students and the ag instructor work together to pursue goals tailored to the individual student. Prior arrangement must be made with the Ag instructor.

Wildlife and Natural Resources

Credit: 1.0 Grade: 11 or 12 Prerequisites: Ag Science

The goal of this course is to increase students' knowledge and awareness of the interrelationship of our natural resources; promote environmental awareness and stewardship; develop critical thinking, cooperative problem solving and decision-making skills; and present balanced options for the management of our renewable and nonrenewable natural resources in the areas of wildlife, forestry, aquatics and soils. There will be "projects," both individual and group, throughout the course. Projects will consist of observations, lab work and reports, research and communication of results. There will be field trips to area locations, as well as local experts that will be part of classroom presentations.

<u>Art</u>

Advanced Art

Credit: 0.5 Grade: 11, 12

Prerequisites: Intro to Art, Drawing and Painting

Advanced Drawing and Painting is a course that will allow students to build on their skills in 2-Dimensional art. The course reviews the design elements and principles by providing specific projects in a variety of 2-dimensional media.

Advanced Sculpture

Credit: 0.5

Grade: 11, 12

Prerequisites: Intro to Art, Sculpture

Advanced Sculpture is a course that will allow students to build on the ceramic skills they have already acquired (coil and slab construction) in Intro to Art and Sculpture, and will introduce students to ceramic sculpture (sculpture by addition) some new sculpture media like casting, paper making and welding and carving (sculpture by subtraction).

Drawing and Painting

Credit: 0.5 Grade: 10, 11, 12 Prerequisites: Intro to Art

This course introduces painting through experimentation with several different two dimensional media and through application of the basic elements of design - line, shape, space, color, value, texture and form- with special emphasis on color. The principles of design - balance, rhythm, contrast, unity, movement and emphasis.

Independent Art

Credit: 0.5 Grade: 12

Prerequisites: 2 completed art credits and Approval of Art Instructor

In this individual, self-paced course, students work with the Art Teacher to develop projects and goals. Students are given creative freedom in helping to design curriculum with the Art Teacher across a variety of mediums.

Intro to Art Credit: 0.5 Grade: 9, 10, 11, 12 Prerequisites: None

This course introduces design through the study of basic art elements - line, shape, space, color, value, texture and form - and practicing the techniques used with different media.

Photography

Credit: 0.5

Grade: 10, 11, 12

Prerequisites: Intro to Art

This course introduces students to digital photography, the mechanics of a camera, and how the principles of design apply to photography.

Sculpture

Credit: 0.5 Grade: 10, 11, 12 Prerequisites: Intro to Art

This course introduces various methods for manipulation of 3-dimensional materials for the creation of 3-dimensional works while considering the elements of design and the principles of design.

Visual Design

Credit: 0.5 Grade: 10, 11, 12 Prerequisites: Intro to Art

Visual Design Arts is an introductory course to a career in Graphic Design. It is a project-based class that develops skills in graphic design, using the computer programs Affinity Photo and Affinity Design. Students will use teacher led instruction, hardcopy tutorials and video tutorials to learn the tools of each of these programs and then use what they've learned to fulfill each of the projects.

<u>Bible</u>

Defending the Faith Credit: 0.5 Grade: 12 Prerequisites: None

Defending the Faith is a Bible course about Christian Apologetics (proofs and arguments for the truth of Christianity) and alternative worldviews (which includes not only other religions, but other popular modern belief systems as well). Students will develop their ability to defend their faith when approached with questions, concerns, or criticisms. This will be done by studying tactics and strategies for conversing with people of other belief systems and also by learning proofs and arguments for the Triune God and the truth of Christianity. Students will also grow their knowledge of world religions and worldviews that compete against Christ for the hearts and minds of human beings, analyzing how those beliefs stack up against the true faith of Christianity. My deep hope is that students will become zealous that God's name be known and glorified among all peoples, ambassadors for God's Redemptive Kingdom among God's Common Kingdom, increasingly confident in their ability to understand, express, and contend for the Christian Faith.

Doctrine and Devotion

Credit: 0.5

Grade: 11

Prerequisites: None

Doctrine & Devotion is a course that is designed around studying the Biblical teachings regarding God, man, sin, salvation, and eschatology through the lens of Reformed Theology. Using the traditional doctrines of Reformed Theology, we will deepen our understanding of who God is, who we are, and what our purpose is. Students will interact with the central doctrines of Christianity, reflect on them, and decide for themselves what their beliefs are. Students might not agree with everything we discuss in this class, but thinking about and exploring all 8 of these doctrinal categories will help them better formulate and understand what they believe. My deep hope is that students will strengthen the Christian foundation upon which they stand; calibrate their thoughts and actions toward a Trinitarian worldview; use theological knowledge to better read and understand the Bible.

Old Testament Covenants

Credit: 0.5 Grade: 9

Prerequisites: None

Old Testament Covenants explores God's acts of Redemptive History as revealed in the Old Testament of the Bible. While always keeping an eye on the broad storyline of history, each unit will focus on how God communicates with and works through His people covenantally. Specific emphasis will be placed on identifying the types and shadows which point us to and prefigure the person and work of Jesus Christ. My deep hope is that students will memorize the big picture storyline of the Old Testament events in order to place individual OT stories into its proper context, and worship God for his great acts in history.

From Old to New: Post Exile to Christ to the Church

Credit: 0.5 Grade: 10

Prerequisites: None

From Old to New: Post Exile to Christ to the Church explores the faithfulness of God through the Intertestamental years of prophetic silence and the fullness of God's timing demonstrated in the birth of Jesus Christ, His life and ministry and in the birth of the Church in Acts. By naming the faithfulness and fullness of God, the deep hope is that students would grasp and grab hold of the surpassing worth of knowing Jesus Christ. Using the Walk Through the Bible learning stool, *New Testament Live*, students will learn 40 words and signs that highlight God's preparation of the world for the coming of Jesus and how His life and ministry changed the course of the world, giving rise to disciples and apostles who would take this good news to the ends of the earth and birth the church. Students will explore daily Bible readings that support the storyline of *New Testament Live* and its corresponding 40 signs and words.

The Christian Life: Navigating Current Culture's Challenging Conversations

Credit: 0.5

Grade: 12

Prerequisites: None

The Christian Life seeks to equip students to live as winsome Christians in our culture, not unlike the context where believers of Jesus were first called Christians because they lived and loved others differently than the culture. The deep hope of The Christian Life is for students to abound in love and grow in their Biblical knowledge and discernment alongside the context, issues and concerns of our current cultural moment. On a foundation of class values such as being curious, cultivating compassionate community, and thinking thoughtfully, this class explores a number of challenging conversations-mental health, substance abuse, abortion, same sex attraction/LGBTA+, sex before marriage and considers the Church's response and responsibility. In addition to related daily Bible reading, students explore what Scripture has to say about these challenging cultural conversations, listen to guest speakers and engage in structured student-led class conversations with one another around these topics. The goal is the clarification of Biblically sound positions concerning these challenging conversations and the development of a posture that communicates care, concern and love for those made in God's image who wrestle with the brokenness that has come as a result of the fall from God's ordained and best design for humanity.

<u>Business</u>

Accounting

Credit: 0.5 Grade: 10, 11, 12

Prerequisites: Currently in Geometry or already passed Geometry

Accounting is a one semester elective course offered to sophomores, juniors and seniors. It is designed to teach students how to keep financial records for a small service business and a merchandising business. Recordkeeping for a sole proprietorship, partnership, and corporation is covered. Daily work will be done using manual (by hand) procedures. Accounting is designed for students interested in business but also provides students with basic knowledge of how money is handled.

Intro to Business Credit: 0.5 Grade: 12 Prerequisites: None

Introduction to Business is a class where students will learn about various branches of the business field in order to help them find where their interests and passions lie. This class will touch on economics, marketing, financial literacy, computer literacy, human resources, management, ethics and entrepreneurship. Students taking this class will be engaged in various business simulations that will help grow their problem-solving skills as well as collaboration skills. The goal of this class is to introduce students to different areas of business so they become familiar with what options they have when pursuing a business degree.

Intro to Marketing

Credit: 1.0 Grade: 11, 12 Prerequisites: None

Introduction to Marketing is a year-long class where students are given hands-on experiences in the marketing world. A primary focus of the course will be working on projects that help the school as well as local businesses after learning about the basics and foundations of marketing. Students will collaborate with local leaders and industry leaders in the areas of marketing, design, sales, and more to grow their skills and abilities. The goal of this class is to engage in marketing practices through simulations and real-life scenarios.

Pathway to Leadership

Credit: 0.5

Grade: 11, 12

Prerequisites: None

Pathway to Leadership is a one semester elective offered to juniors and seniors. In this course, students will learn from books, articles, guest speakers, and personal visits to leaders in the community what it takes to lead well and lead holistically. Special emphasis is placed on personal leadership, health and well-being, spiritual maturity, and servant-leadership.

Personal Finance

Credit: 0.5 Grade: 12

Prerequisites: None

This is a course designed to inform students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include saving, budgeting/banking, debt/credit, life after high school, consumer awareness, investing/retirement, insurance, careers/taxes, and giving(charitable contributions). Students will simulate the use of checking and saving accounts; demonstrate knowledge of finance, debt, and credit management; and evaluate and understand insurance and taxes. This course will provide a foundational understanding and a Christian perspective for making informed personal financial decisions.

English Language Learning (ELL)

** for students where English is a 2nd language

English Language I

Credit: 1.0

Grade: 10, 11, 12

Prerequisites: International student; dependent on proficiency testing

This course focuses on building English proficiency in grammar, pronunciation, and writing. In the first semester there is an overview of grammar tenses. We will apply our growing facility with sentence structure and paragraph formation to various styles of writing. Students will also work on North American pronunciation of English to better understand and be understood in the classroom, home, and community. In the second semester specific elements of grammar will be highlighted, and we will expand our writing to include short essays, becoming familiar with MLA format. Students will also experience public speaking opportunities in small settings to build confidence for future enrollment in Communication I and II.

English Language II

Credit: 1.0

Grade: 10, 11, 12

Prerequisites: International student; dependent on proficiency testing

This is a class for students who have successfully completed EL-I or who have passed the assessment for EL-I. This course works toward building an advanced level of English proficiency in grammar, vocabulary, writing, and public speaking. The goal is a successful transition to regular high school English classes and preparation for college enrollment. Students will use MLA and APA format in preparation for their enrollment in College Composition. Specific elements of advanced English grammar are highlighted throughout the course. In addition, a strong emphasis on building vocabulary and timed writing practice will help prepare students for the TOEFL and ACT/SAT exams.



Applied English

Credit: 0.5 Grade: 11. 12

Prerequisites: selected by the Director of Academic Support

Students in Applied English will analyze some of the poems and short stories that are covered in American Literature. Basic grammar and paragraph writing are covered, but at a slightly slower pace and with more individual attention. Students read through a variety of novels with a teacher's help. This is not a class for students to opt into but one the Director of Academic Support selects.

American Literature

Credit: 0.5

Grade: 11

Prerequisites: English I, II

American Literature is a one semester required course for juniors. It is a survey of over 400 years of literature dating back to the Puritans and continuing up to works by current American authors. The reading material is primarily poetry, essays and short stories. One play, The Crucible, will also be covered. My deep hope for American Literature is that students can find delight in reading and studying great literature; that they build a learning community where they feel known and comfortable with articulating themselves; and that they become adept at picking out "essential" information during discussions and develop their critical thinking/analysis skills; and that they will become excellent, independent note-takers.

Composition

Credit: 0.5

Grade: 12

Prerequisites: Communications 1, American Literature

The main goal of Composition is to prepare students for college writing and improve critical thinking in their written communication. The focus of the class is writing essays and practicing writing workshops with drafting. Another aspect of the class is a review of grammar. The students will understand what makes good writing through their own writing and editing their peers' work. They will explore the amazing created world of words, practice their writing skills using drafts, and analyze literature in class and on their own. Students will be required to write several essays using MLA format and other creative forms of writing. Composition explores the use of story through reading and writing. Students will analyze literary works and work to understand tools used to inform and persuade. My deep hope is that students see the beauty of words and use this skill to celebrate, advocate, and better understand their "neighbors."

Communications I

Credit: 0.5 Grade: 11

Prerequisites: English II

Communications I is a semester class that explores the world of communication through speech, interpersonal communication, and media exploration. The main goal of Communications I is to work on three areas: how to be a better communicator, how to be a good speaker, how to be a discerning Christian with the media we have today. The students will discover the many ways that we communicate. They will practice their use of communication with other students, at home, and at work. The students will develop speaking skills by way of four different speeches. The students will become more aware of the uses of advertisements, learn about the history of television and learn to view movies using several different criteria. Since the gift of communication surrounds us daily, my deep hope is that the students understand the gift of communication by being a servant speaker, a better listener, and having a deeper understanding of the media use in their life.

Communications II

Credit: 0.5

Grade: 12

Prerequisites: Communications I

Communications II is a one semester film studies class for seniors. Students must have completed Communications I in order to be eligible to take this course. Students will spend countless hours watching movies in their lifetime. One goal of Communications II is to get students thinking about how to view film from a Christian point of view. Students are encouraged to consider what makes a film an example of "excellence." They are also asked to contemplate how examining humanity in film points back to the Creator.

One of my deep hopes for Communications II is that it helps students recognize that movies can and should engage in telling stories of brokenness and redemption. My second deep hope is that this project-heavy course improves their creative thinking and collaborative abilities.

English I

Credit: 1.0

Grade: 9

Prerequisites: None

The main goal of English I is to get everyone on the same page with reading, writing and grammar. We will dive into all sorts of writing, creating masterpieces for the next generations. As characters, we will plot and scheme our way through novels, short stories and plays. We ain't got no place for poor grammar usage, so we will work to sharpen our knowledge there. My deep hope is that through the study of English I, students will see how God is the creator of the amazing world of words. They will practice their writing skills by being an editor within writing workshops, read a variety of literature genres, and review and study grammar, applying it to their writing.

English II

Credit: 1.0

Grade: 10

Prerequisites: English I

Throughout the year, English II students will be focusing on developing a sense of empathy for others. We will be studying several memoirs and short stories, novels (Lord of the Flies, Trouble, and others), poetry, independent reading, and a play by Shakespeare. Students will stretch their writing through multiple writing assignments, an extensive research paper, and polished memoir and literature analysis. We will study grammar and vocabulary throughout the year. A primary focus is connecting with and relating to others through the literature read and the content written. My deep hope is that students will "Look closely in God's world," recognizing His hand at work in the world and how we can grow in love towards our neighbors.

Novels Credit: 0.5 Grade: 11, 12 Prerequisites: None

The Novels class is a semester upperclassman elective English class where a variety of novels will be read while responding to each story using a variety of writing. Novels class is designed to give students a variety of exposure to stories, both class and contemporary. The class will read three books together, a short story section, and two books on their own. With each book, the students will connect a variety of writing, both creative and academic, to the story. My deep hope is that students will enjoy reading. Through the reading they will not only know the stories of others, but also learn more about their own story, and how our stories fit into God's larger story of redemption. I hope to stretch them as writers and learners, helping them to grow, know, and go.

Extended English I

Credit: 0.5 or 1.0

Grade: 9

Prerequisites: selected by Director of Learning, test scores, parent guidance, and middle school teachers

Extended English I is offered for students who may struggle with an aspect of English. If a student struggles with reading, writing, grammar, or several step processing, he or she could take this class to close the gap. The students will read the same novels and stories, learn the same parts of grammar, and create the same writing. But they may do this in a variety of ways and using slower steps. My deep hope is that through the study of Extended English I, students will see how God is the creator of the amazing world of words. They will practice their writing skills by being an editor within writing workshops, read a variety of literature genres, and review and study grammar, applying it to their writing.

Journalism/Yearbook

Credit: 0.5 Grade: 10, 11, 12

Prerequisites:

This course offers a comprehensive exploration of the dynamic world of journalism and yearbook production. Students will learn the essential skills of news writing, reporting, photography, and design. Through hands-on projects, students will gain experience in crafting compelling stories and creating visually appealing layouts for the yearbook. This course is designed to foster creativity, critical thinking, and effective communication. By the end of the semester, students will have developed a strong collection of articles showcasing their journalistic abilities.

Foreign Language

Spanish I

Credit: 1.0 Grade: 9, 10, 11, 12

Prerequisites: None

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Spanish I is an introduction to the Spanish language and hispanic culture. Students will learn vocabulary and discover the culture through research and exposure. Students will learn through listening, reading, writing, and speaking. They will learn using articles, stories, media, music, videos, interviews, etc. They will be exposed to a variety of vocabulary in contexts that are memorable, personal, and practical. The hope is that students will realize that learning a language is not just for classroom use, but to connect and communicate with the people who speak the language.

Spanish II

Credit: 1.0 Grade: 10, 11, 12 Prerequisites: Spanish I

Throughout this course, students will continue to develop their Spanish in a variety of different ways. While building on the vocabulary and grammar from Spanish I, students will continue to learn ways to use these words in conversation. They will practice and strengthen their reading, listening, writing and speaking abilities. The course will also spend time studying the different cultures that speak Spanish. By doing this, students will develop an appreciation and empathy for people around the world. Most importantly, they will gain a new perspective on God's world and His people, and how they can be the hands and feet of Jesus in our own communities.

Spanish III Credit: 1.0 Grade: 11, 12 Prerequisites: Spanish I, Spanish II and a B- grade or higher in Spanish 2

Spanish III will help students develop Spanish language skills and a deeper understanding of Spanish-speaking cultures. Students will continue to build on what they have learned to sharpen their reading, listening, writing, and speaking skills. They will also dive deeper into current events, practices, traditions, and values of the different Spanish speaking countries. By learning about other cultures, they will continue to deepen and shape our understanding of God's love, His people, and our place in His world.

Spanish IV

Credit: 1.0 Grade: 12

Prerequisites: Spanish I, II, and III

Students in Spanish IV will continue to practice the Spanish language by studying famous works from Hispanic artists, authors, poets, and musicians en Español. They will study famous celebrations and traditions and stay up to date on current events in various Spanish-speaking countries. As they dive deeper into the culture and history of the Spanish speaking world, they will gain an understanding and appreciation for the diverse cultures that God has created.

History

American Politics

Credit: 0.5 Grade: 12

Prerequisites: None

The course is a study of the basics of the American political system with some comparisons to other systems. The course traces the roots of American politics, public policy, issues, and government functions. Special attention is focused on active Christian engagement in American politics with an emphasis on justice, shalom, and kingdom service. Students will be able to understand the philosophy and ideological trends in our government while developing Christian citizens who think critically. My deep hope is that students will trust that God is in control and become active leaders who reflect God's love.

Current US History

Credit: 0.5

Grade: 12

Prerequisites: Must be a senior

*Counts as 2nd Social Science Course in Senior Year

Current US History is a senior level elective. In this class, we will begin with JFK's assassination and end with the current policies put into place by the current and most recent Presidents. Students will be asked to make connections to things that have happened earlier in US history. Hopefully, through this class, students will get a better grasp of why things are currently happening and the events that led up to the most recent trends in the news.

World Cultures

Credit: 0.5

Grade: 10

Prerequisites:

This course engages students in the exploration of major world religions and cultural characteristics examining through a Christian perspective. Students will delve into the beliefs, practices, and histories of major world faiths while analyzing how they shape and are shaped by the physical and cultural landscapes of their dominant regions. Students also examine a variety of unique cultures and regions highlighted by current events or student interest, building a deeper understanding of historical and contemporary global diversity. Through a blend of hands-on projects, map activities, readings, writing assignments, and traditional assessments, students will develop an appreciation for the complexities or world cultures and their calling to be global Christians.

Law Credit: 0.5 Grade: 11, 12 Prerequisites: None *Counts as 2nd Social Science Course in Senior Year

Law is an upper level junior and senior elective that is a single semester in length. This class is very non-traditional. Through this class, the hope is that students are confronted with issues and decisions that they have to work through and build their opinion and response through research and past events and cases. Students will have the opportunity to visit a few different law places as well as talk to a few different people in the law enforcement profession. Students will be challenged on a daily basis to answer some difficult questions, not with the right answer, but with a response that is backed by facts and evidence. This class will include mock trials, simulations, group & individual projects, movies, role playing/skits, discussions, debates, lectures, current events, reading compression/questions, and presentations. My Deep Hope for my law class is that my students and I will discover how to find the balance between justice and punishment, Christian morals and secular morals, and how to show justice and mercy in a broken world.

Psychology

Credit: 0.5 Grade: 11,12 Prerequisites:

*Counts as 2nd Social Science Course in Senior Year

Students will study the science of human behavior and mental processes; worldviews and how they influence every person; the practical applications that can be drawn from Psychological science; and how Psychology finds its fulfillment through Christianity. Areas the course will touch on include: Psychological history, research methods, biology of the brain, perception, intelligence and learning, personality development, mental well-being, kinds and causes of mental illness, effects of stress and anxiety, and social psychology. Through the study of Psychology, students will learn more about what it means to be made in God's Image. My deep hope is that students will define & refine their Christian beliefs and worldview, improve their critical thinking and learning skills, and explore psychological concepts and the role those play in shaping their thoughts and behaviors

US History

Credit: 1.0 Grade: 11

Prerequisites: None

In 11th Grade U.S. History, students will study U.S. History from roughly the American Revolutionary War to World War II. Students will examine the social, cultural, political, technological, and economic changes throughout U.S. History. This course will explore the causes and effects of historical events through the use of critical thinking skills. Students will be pushed to continue connecting events and themes as we move from unit to unit. Students will also be asked to analyze evidence of God's redeeming work for each unit. My deep hope for US History is that students will see history as linear, and in analyzing this linear history, students will more clearly understand their role in God's story as we live in the inbetween of already but not yet.

World History and Geography

Credit: 1.0

Grade: 9

Prerequisites: None

World History and Geography introduces students to the rise and fall of nations, governments, cultures, religions, philosophies, economics, conflicts and arts under God's divine sovereignty. Centered primarily on the western world, this course begins with the earliest river civilizations and then moves on to study the foundations of world civilizations through WWI. Students will examine the major physical, political and cultural systems of the world, while building skills in vocabulary, geographical reference study, critical thinking and decision-making, research, and writing. A major component of the course is hands-on practice of historiography through required participation in the National History Day competition. Students will use map work, timelines, lecture notes, annotations from primary sources, readings, textbooks and articles, and a variety of digital resources to better understand and evaluate the lessons of the past and apply their learning to fulfill their calling to be faithful stewards and citizens of this world. As they examine the choices and changes that have shaped history, students are encouraged to become "world Christians", developing the ability to understand God's plan and love for all nations.



Advanced Math

Credit: 1.0 Grade: 11. 12

Prerequisites: Geometry and Algebra II

Advanced Math is a course offered at Unity to serve as a bridge course between Algebra 2 and Calculus. This course covers commonly used algebraic functions such as quadratic, exponential, polynomial rational and logarithmic functions. It also delves deeply into trigonometric functions and their uses in areas such as physics, construction, surveying, and engineering. The course explores the area of polar graphing and conic sections. It ends the year with an introduction to basic concepts used in calculus. Throughout the course, there is an emphasis on understanding how different advanced math concepts are used in various applications and how we can use these mathematical ideas to understand and appreciate the world around us.

Algebra I

Credit: 1.0 Grade: 9, 10, 11, 12 Prerequisites: None

Algebra is an important component of mathematics and many occupations rely on algebra and equations to help solve problems. Number theory, problem solving, functions and graphs will all be explored in detail. Through the study of Algebra, you will learn to appreciate the beauty, complexity and importance of mathematics as part of God's creation; perform arithmetic with integers, decimals and fractions; improve your problem solving skills using a variety of techniques; write and solve equations & inequalities; use the computer to investigate and graph equations; be able to explain & graph linear, exponential, and quadratic functions and apply them to real life situations; connect proportions, probability and percent problems to real-life situations; and see and value math in your daily life.

Algebra II Credit: 1.0 Grade: 10, 11, 12

Prerequisites: Algebra I and Geometry

Algebra is one of the chief branches of mathematics. Engineering, science, business and industry rely on Algebra to help solve problems. Topics studied in Algebra II are linear systems, functions (quadratic, polynomial, rational, exponential and logarithmic), probability, statistics, and matrices. Students who successfully complete Algebra II will be able to: explain the key ideas underlying Algebra; use the computer to graph system of equations; apply the concepts of Algebra for problem-solving and mathematical modeling in mathematics, physics, business/economics, and life science; appreciate Algebra as a beautiful, coherent field of thought; and explain the value of learning mathematics in the context of a Christian educational setting.

Applied Geometry

Credit: 1.0 Grade: 10, 11, 12

Prerequisites: Algebra 1; Math Instructors may suggest students for this course

Applied Geometry is designed to help students learn geometry at a modified pace with more review. Geometry is a branch of mathematics that involves studying shape, size, and position of geometric figures. The name Geometry means "measure the earth". Geometry is important because the world God created is full of geometric shapes. Snowflakes are six-sided figures as are the honeycombs bees make. The rainbow is a circular shape and a light ray goes in a straight line. Geometry has practical applications in many fields including: architecture, carpentry, aviation, engineering and photography. Real life applications will illustrate geometric concepts. Exploration problems will be designed to use drawing and measuring. Algebra concepts will be integrated with the geometry. Students will develop their reasoning skills using formal justifications (two-column proofs) and informal justifications (proof using paper folding). Practice exercises will include hands-on activity, visualization skills and plenty of practical problems. This is a bridge course between Algebra 1 and Geometry.

Consumer Math

Credit: 1.0 Grade: 9, 10, 11, 12 Prereguisites: None

In this more individual based and self-paced math course, students work through a variety of topics in a smaller scale to set the base for future math courses. Units include variables, solving equations, multi-step equations and inequalities, factors, fractions, exponents, geometric figures, probability, basic statistics, and problem solving. Students enrolled in this course are selected by the Director of Academic Support in consultation with the Math Instructors.

Geometry

Credit: 1.0

Grade: 10, 11, 12

Prerequisites: Algebra 1

Geometry is a branch of mathematics that involves studying shape, size, and position of geometric figures. The name Geometry means "measure the earth". Geometry is important because the world God created is full of geometric shapes. Geometry has practical applications in many fields including: architecture, carpentry, aviation, engineering and photography. Real life applications will illustrate geometric concepts. Exploration problems will be designed to use drawing and measuring. Algebra concepts will be integrated with the geometry. Students will develop their reasoning skills using formal justifications (two-column proofs) and informal justifications (proof using paper folding). Practice exercises will include hands-on activity, visualization skills and plenty of practical problems.

Pre-Algebra

Credit: 1.0

Grade: 9

Prerequisites: None

Pre-Algebra is designed to help students learn the main math skills and algebra concepts at a modified pace and with more review. It is offered to those who had relative difficulty with math in grade school or do not feel they are quite ready for Algebra I. Number theory, problem solving, geometry, and functions will be explored. Through the study of Algebra, you will learn to appreciate the beauty, complexity and importance of mathematics as part of God's creation; perform arithmetic with integers, decimals and fractions; improve your problem solving skills using a variety of techniques; write and solve equations & inequalities; use the computer to investigate and graph equations; be able to explain & graph linear, exponential, and quadratic functions and apply them to real life situations; connect proportions, probability and percent problems to real-life situations; and see and value math in your daily life.

<u>Music</u>

Chorale

Credit: 1.0 Grade: 9, 10, 11, 12

Prerequisites: None

This mixed voice ensemble is generally open to freshmen and sophomores. Juniors and seniors are permitted to take chorale in special situations. Auditions are not required. Literature studied will vary depending on the type of concert, but will generally consist of Soprano, Alto, Tenor, and Bass voicing. Time will be spent in whole group rehearsals and smaller sectionals by part.

Concert Choir

Credit: 1.0

Grade: 10, 11, 12

Prerequisites: Audition Only; At least one semester of Chorale

This mixed voice ensemble is open to select Sophomores, Juniors and Seniors by audition only. Students are also encouraged to participate in State Solo and Ensemble Contests as well as All-State. Auditions will be held in the spring. Literature studied will vary depending on the type of concert but will be a higher difficulty level than chorale. Time will be spent in whole group rehearsals and smaller sectionals by part.

Orchestra Credit: 1.0 Grade: 9, 10, 11, 12 Prerequisites: None

Students in Orchestra will continue to develop their knowledge of music theory concepts and music history while developing their technical skills on their instrument (including tone production, vibrato, shifting, bow techniques) in an engaging ensemble setting. Students are also encouraged to audition for or participate in the Northwest Iowa Symphony Orchestra, solo/ensemble contest, and All-State.

Symphonic Band

Credit: 1.0 Grade: 9, 10, 11, 12

Prerequisites: None; Previous Band experience Preferred

Membership in the Symphonic Band is open to students with previous musical experience. The Symphonic Band studies intermediate to advanced techniques and a wide variety of musical styles. This group performs at several concerts throughout the school year. We also have a pep band that performs at the home football games and varsity home basketball games. Students are also encouraged to audition for honor band, solo-ensemble, and All-State.

PE/Health

PE/Health

Credit: 0.5 Grade: 9, 10, 11, 12

Prerequisites: None

PE/Health is a one-semester course and is required each year a student is enrolled at Unity Christian. PE/Health is unique because it combines two classes into one. PE is typically taught 3 times per week and Health is typically taught 2 times per week.

<u>PE:</u> Valuing and caring for the health of our bodies is a life-long task. The activities we participate in have carry-over value for later years. Many of the activities are also team activities which emphasize proper social interactions as they relate to teamwork and competition. During a student's four years at Unity Christian they will participate in the following activities: Nitroball, Eclipse ball, frisbee golf, tumbling/gymnastics, strength training, volleyball, floor hockey, badminton, bowling, pickleball, basketball, soccer, flag football, mat ball, pin ball, wiffle ball, and National Guard activities.

*activities and the length of activities depends on the weather and availability of facilities

<u>Health</u>: Knowledge is also part of caring for the body as a temple of God: physically, socially, emotionally, mentally, and spiritually. The topics covered in Health include both personal health and fitness as well as community health and fitness. During a students four years at Unity, they will cover health topics in the following four areas: 9th: Fitness for Life and Nutrition; 10th: Drug/alcohol abuse and STD's; 11th/12th: First Aid, CPR and Anatomy

Advanced Weightlifting

Credit: 0.5 Grade: 10, 11, 12 Prerequisites: None

Students will be involved in high level athletic development through advanced strength training programs, mobility, speed training as well as other ways to improve their body's performance. They will be developing technique, strength, flexibility, and their athletic capabilities. This course is not a substitute for PE, but an elective. This elective can be repeated. Students do not need to be involved in high school athletics to take this course or benefit from it. Some experience in the weight room is highly recommended. Testing using multiple athletic assessments will take place at the beginning of the semester, midway through the semester, and at the end of the semester to track progress.

<u>Science</u>

Anatomy and Physiology

Credit: 1.0; Dual Enrollment for NWC Credit

Grade: 12

Prerequisites: Strong recommendation of completion of Chemistry

How does the oxygen we breathe in get transported to each cell and the carbon dioxide produced get transported to the air we breathe out? What is the human brain and how does it send signals to our entire body? How are you uniquely made and different from every other person on the planet? What is more amazing than the human body? The human body is evidence of a divine creator who designed and purposed each part to function in perfect harmony for the good of the entire body. Eight (integumentary, muscular, respiratory, nervous, skeletal, digestive, urinary, and endocrine) of the eleven systems are studied along with organs, tissues, cells, and chemicals that make up each system. This class is rigorous and involves self discipline with many hands-on opportunities (including dissections) and collaborative work.

Counts as Northwestern College's BIO102SN. Is counted as a Core Life Science requirement for both Northwestern and Dordt. Does not count towards the Anatomy needed for Biology or Nursing majors.

Applied Biology

Credit: 1.0 Grade: 10

Prerequisites: Science 1

Applied Biology is offered for certain sophomores in place of Biology and will cover a Science credit. Students will cover the same general topics and concepts as Biology but at a slightly slower pace and with more depth in certain areas. Placement in this course will be a combination of student/parent choice and a recommendation of the Director of Academic Support. Students in Applied Biology will be encouraged to take Earth Science as Juniors.

Biology

Credit: 1.0 Grade: 10

Prerequisites: Physical Science

By exploring God's creation in Biology, we examine very basic questions about man's relationship to God, to creation, and to each other. The class begins with the foundational understanding of what cells are and how they function. From here the class dives into understanding specific processes these cells carry out constantly. Processes will include photosynthesis, cellular respiration, protein and DNA synthesis. The end of the year will focus on ecology and environmental science. We will explore these ideas and concepts by doing lab experiments. We will explore cells, genetics, and the issues involved through research and real situations. Through this entire year the overarching theme of redeeming and being stewards of God's creation will appear.

Students may test into Biology ahead of their freshmen year.

Chemistry

Credit: 1.0

Grade: 11, 12

Prerequisites: Physical Science, Biology

Chemistry is a two semester course that explores basic chemical principles. It is intended for college and non-college bound students, but is strongly suggested for those pursuing a 4-year college degree. Over the course of this year, we will cover atomic structure, the periodic table, naming and bonding, stoichiometry, reactions, energy, acids and bases, solutions chemistry, and equilibrium. We will learn important conceptual and critical thinking skills in each of the units, as well as look at the stewardship between faith and science. This course includes lecture/discussion as well as labs, daily work, and quizzes/tests.

Earth Science Credit: 1.0 Grade: 11 or 12

Prerequisites: Physical Science, Biology/Applied Biology

Students will study the interactions between the 4 major Earth spheres, including the geosphere, atmosphere, hydrosphere and biosphere. Major topics include: Rocks/minerals, Energy/Resources, Volcanoes, Earthquakes, Oceans, Meteorology (clouds, air masses, severe weather, and Space). Lessons will be reinforced through labs. Multiple field trips are a strong possibility and students will be expected to help with running and maintaining Unity's Genesis Arboretum.

Honors Chemistry

Credit: 1.0 Grade: 11 or 12

Prerequisites: Physical Science, Biology, Chemistry

Honors Chemistry is a two semester course that is designed as a college-level class to prepare students for success in a scientific field of study. Particularly, it is aimed at equipping students with the knowledge needed in a freshman-year General Chemistry (Gen Chem) class. During the first semester, we will review and dive deeper into the topics of stoichiometry, chemical reactions, gasses, and periodic trends. Second semester will focus on the topics of thermochemistry, bonding theories, solubility, kinetics/equilibrium, free energy, acid/base chemistry, and nuclear chemistry. This course includes tests (2-4/quarter), quizzes, lab work, & daily practice assignments.

Physics

Credit: 1.0

Grade: 11, 12

Prerequisites: Physical Science, Biology, Algebra 1, currently enrolled in or have taken Algebra 2

Physics is the study of the fundamental principles that govern the natural world, from the motion of everyday objects to the behavior of stars and galaxies. In this course students will explore key topics such as mechanics, energy, waves, electricity, magnetism, and modern physics. Through hands-on experiments, problem-solving, and real-world applications, students will develop critical thinking and quantitative reasoning skills. This course emphasizes understanding and applying core concepts, using mathematical models, and investigating the connections between science, technology, and the world around us. It is designed to prepare students for further studies in science, engineering, and other STEM-related fields.

Physical Science

Credit: 1.0

Grade: 9

Prerequisites: None

Physical Science introduces students to the foundational concepts of physics and chemistry, providing a strong basis for future science courses. Students will explore topics such as the structure of matter, chemical reactions, forces and motion, energy transformations, waves, and the principles of electricity and magnetism. The course combines hands-on experiments, collaborative projects, and problem-solving activities to foster curiosity and critical thinking. By connecting scientific concepts to real-world applications, students will gain an understanding of how physical science influences everyday life and the world around them.

Technology

Digital Life Credit: 0.5 Grade: 9 Prerequisites: None

In this course, students will learn some of the basics of operating their technology, from organizing files, to making Imovies, to understanding how our tools and technology can enhance our learning and study habits. Time will also be spent reading over "12 Ways Your Phone is Changing You," as students are engaged with their technology and spend time focusing on how the helpful tools we have are also subtly influencing us. Students will be challenged to think about how we interact with technology and what a Christian response should be.

Engineering Design Credit: 0.5 Grade: 10, 11, 12 Prerequisites: None

This high school engineering design course aims to introduce students to the fundamental principles and practices of engineering design. Through hands-on and project-based approaches, students will develop problem-solving skills, critical thinking, and creativity while exploring various engineering disciplines. The course will cover key concepts such as the engineering design process, teamwork, communication, and the ethical implications of engineering solutions. Some of the topics will be biodegradable polymers, Rube Goldberg machines, Robotics, Coding, and drones.

CAD (Computer Aided Design) Credit: 0.5 Grade: 10, 11, 12 Prerequisites: None

This course is designed to introduce students to the fundamentals of 3D modeling and design for SketchUp for Schools, a user-friendly and powerful 3D modeling software. Throughout the course, students will learn how to create, modify, and visualize 3D models for various purposes, such as architectural design, interior decoration, and more. The course will also emphasize collaboration, problem-solving, and creativity.

Non Unity Course Offerings

CNA Course Credit: None Grade: 10, 11, 12 Prerequisites: None

Students who wish to become Certified Nurse Assistants (CNA) are eligible to take a CNA prep course, taught by an instructor from NCC. Classes are conducted at Unity and prepare a student for passing their CNA test. Students must pay for their own textbook for this course. Grades in this course do not count towards Unity's GPA.

Dordt Online Courses

Credit: None

Grade: 11, 12

Prerequisites:

Junior and senior students are eligible to take online college courses from Dordt University. Students will be given one period in their day to work on these courses. Credit is earned through Dordt and is transferable to other institutions. Grades in these courses do count towards Unity's GPA and co-curricular eligibility. Courses may not be taken in place of Unity courses. The course fee is partially paid for by state funds, but families will pick up the remaining balance.

Dordt, Northwestern, and NCC In-Person Courses

Credit: None

Grade: 11, 12

Prerequisites:

Junior and senior students are eligible to take courses in person at either Dordt, Northwestern, or NCC. Grades in these courses do count towards Unity's GPA and co-curricular eligibility. Courses may not be taken in place of Unity courses. Required Unity courses will be given priority over non-Unity options when scheduling. The course is free to students; textbooks for these courses are paid for by the student.

NCC Courses

Credit: None

Grade: 11, 12

Prerequisites:

Junior and senior students are eligible to take online college courses from NCC. Students will be given one period in their day to work on these courses. Credit is earned through NCC and is transferable to other institutions. Grades in these courses do count towards Unity's GPA and co-curricular eligibility. Courses may not be taken in place of Unity courses. Courses are free to students.

Work Release/Internship

Credit: None

Grade: 11, 12

Prerequisites: None

Work Release allows Unity Christian students the opportunity to utilize 1 period to gain additional training and experience in the workplace. Limit 2 periods per year. May be used as 2 periods in 1 semester or 1 period per semester.

Internship allows Unity Christian students the chance to gain important vocational experience while in high school. Students in an internship program use a class period to work for a company in a career area that they aspire to. Limit 2 periods per year. May be used as 2 periods in 1 semester or 1 period per semester.

Work Release and Internship may not be used in the same semester a student is involved in a sport.

GRADUATION REQUIREMENTS

Freshman Year

1st Semester	2nd Semester
Math	Math
Physical Science	Physical Science
Digital Life	Old Testament Covenants
World History	World History
English 1	English 1
PE	*Elective
*Elective	*Elective
*Elective	*Elective

Sophomore Year

1st Semester	2nd Semester
Math	Math
English 2	English 2
Biology	Biology
PE	Life and Ministry of Christ
World Cultures	*Elective
*Elective	*Elective
*Elective	*Elective
*Elective	*Elective

Junior Year

1st Semester	2nd Semester
Math	Math
Science	Science
US History	US History
PE	Doctrine and Devotion
Communications	American Lit
*Elective	*Elective
*Elective	*Elective
*Elective	*Elective

Senior Year	
1st Semester	2nd Semester
American Politics	2nd Social Science Course
Novels, Comm 2, or Comp.	Novels, Comm 2, or Comp.
The Christian Life	Defending the Faith
PE	Personal Finance
*Elective	*Elective

Graduation Credits Required

Bible	2.5 credits
Digital Life	0.5 credits
English	4 credits
Fine Arts	1.0 credits (2 sem. of any music or art class over 4 years)
History	3.5 credits
Math	3 credits
PE	2 credits
Science	3 credits
Personal Finance	0.5 credits
Senior Capstone	0.25 credits
Elective	4.5 credits (students may have more)
Total Credits for Graduation:	24.75 credits

*Foreign Language is not required, but 2 years are encouraged for college bound students