

Yorkville Christian School

High School Course Catalog: 2025-26

STUDENT OUTCOMES

By God's grace, Yorkville Christian School has set its sights on developing graduates who are characterized as scholars, disciple makers, and influencers.

YCS students are:

SCHOLARS(Doing all things with excellence)...

1. YCS students have a scholarly knowledge of the Bible and understand it to be God's inspired Word, the foundation of all truth and life
2. YCS students understand and embrace the essential doctrines of the Christian faith
3. YCS students have a comprehensive command of the fundamental processes used in communicating with others (speaking, listening, writing and reading)
4. YCS students are proficient in mathematics and science, can use the scientific method as a means of problem solving, and can see God's created order in the universe
5. YCS students possess appreciation for and skills within literature and the understanding of how they express and shape an individual's beliefs and values
6. YCS students can effectively and ethically use technology to communicate and find, analyze and evaluate information
7. YCS students possess skills and experiences that establish appreciation of languages and cultures of other peoples, dispelling prejudice, promoting interethnic harmony, and encouraging biblical hospitality
8. YCS students have a knowledge and an understanding of people, events, and movements in history (including church history) and the cultures of other peoples and places
9. YCS students have a creative, versatile and analytic mind supported by a spirit that pursues a lifelong learning
10. YCS students solve complex problems by thinking critically and creatively
11. YCS students understand opposing worldviews and possess the apologetic skills to defend their faith
12. YCS students achieve and display competencies that will enable them to pursue the college and career goals to which they aspire

YCS students are:

DISCIPLES...

1. YCS students have a personal, saving relationship with Jesus Christ as Lord and Savior
2. YCS students have a strong moral compass that guides their mind, heart, and activity in a manner that glorifies God
3. YCS students have a scholarly knowledge of the Bible and the ability to study and apply scripture to all aspects of life
4. YCS students demonstrate commitment to growth in faith through study, prayer, and fellowship with other believers
5. YCS students display a heart of service motivated by the love for God and humankind
6. YCS students display the ability to share their faith to others
7. YCS students have an appreciation for the natural environment and practice responsible stewardship of God's creation

YCS students are:

INFLUENCERS...

1. YCS students readily and humbly influence others by means of their faith, compassion and service
2. YCS students possess the intelligence and skills needed to build positive, cooperative, and effective relationships with others
3. YCS students pursue their unique passions and gifts, utilizing their knowledge and skills to influence the culture for Christ through excellence in all their endeavors
4. YCS students are actively engaged in the church and their community, serving God and others
5. YCS students demonstrate a consistent Christian world and life view by displaying God-honoring attitudes, understanding, and skills all they endeavor to do and be.

Graduation Requirements

The Yorkville Christian High School Board has established the following graduation requirements, which comply with and exceed the Illinois State Board of Education graduation requirements. College entrance requirements differ greatly and often exceed requirements for high school graduation. The table below indicates Yorkville Christian High School graduation requirements.

| Department | Credits | College Prep |
|------------------------------|----------------|---------------------|
| Biblical Studies | 4.0 | 4.0 |
| English | 4.0 | 4.0 |
| Math* | 3.0 | 4.0 |
| Science** | 3.0 | 4.0 |
| Social Sciences | 3/3.5 | 3.5 |
| Physical Education*** | 3.0 | 3.0 |
| Health | 0.5 | 0.5 |
| Fine Arts | 0.5 | 0.5 |
| Business/Media/Communication | 0.5 | 1.0 |
| World Languages**** | NA | 2.0 |
| Electives | 4.0 | 1.0 |
| Required Credits | 26.0 | 27.5 |

*The completion of this requirement must include Algebra and Geometry per ISBE.

**The completion of this requirement must include one life science(lab course) and one physical science lab course(chemistry/physics). Students looking to attend a 2 or 4 year higher education institution should check their requirements for required lab science courses.

***Junior/Senior students in varsity sports programs may substitute for Physical Education(by semester).

****Freshman entering in the 28-29 school year will be required to take 2.0 years of foreign language.

High School(COURSES BY DEPARTMENT)

AGRICULTURE (Electives)

- ___ Intro to Ag(needed for all courses below in Ag-1.0 credit)
- ___ Ag Business I(0.5 credit)
- ___ Ag Business II(0.5 credit)
- ___ Intro to Ag Mechanics(0.5 credits)
- ___ Environmental Science(0.5 credit)
- ___ Food Science(0.5 credit)
- ___ Horticulture(0.5 credit)
- ___ Plant Science(1.0 credit)
- ___ Veterinary Science(1.0 credit)
- ___ Independent Study(0.5 credits per semester)

BIBLE (4.0 Credits Required)

- ___ Freshman Bible
- ___ Sophomore Bible
- ___ Junior Bible
- ___ Senior Bible
- ___ Bible Elective (0.5 credit elective)
- ___ Bible Elective (0.5 credit elective)

BUSINESS/COMMUNICATIONS AND MEDIA (0.5 Credits Required)

- ___ Adobe Illustrator and Photoshop
- ___ Dual Credit Intro to Business**
- ___ Illustration and Graphic Design
- ___ 3D Rendering and Design
- ___ Dual Credit Speech**
- ___ Dual Credit Mass Communications**
- ___ Media Production
- ___ Critical Film Analysis
- ___ Screenwriting
- ___ Video Game Production
- ___ Yearbook

FINE ARTS (0.5 Credits Required)

- ___ Drawing
- ___ Painting
- ___ Piano 101
- ___ Piano 201
- ___ Theater Showcase
- ___ Toy and Game Design

LANGUAGE ARTS (4.0 Credits Required)

- ___ Freshman Literature and Composition
- ___ Honors Freshman Literature & Composition*
- ___ Sophomore Literature & Composition
- ___ Honors Sophomore Literature & Composition*
- ___ Junior Literature & Composition
- ___ Honors Junior Literature & Composition*
- ___ Senior Literature & Composition
- ___ Honors Senior Literature and Composition*

MATHEMATICS (3.0 Credits Required)

- ___ Algebra 1
- ___ Geometry
- ___ Honors Geometry*
- ___ Algebra 2
- ___ Honors Algebra 2*
- ___ Trig & Statistics
- ___ Pre-Calculus
- ___ AP Calculus ***

PHYSICAL EDUCATION (3.0 PE /0.5 Health Credits Req)

- ___ Dual Credit: Intro to Coaching** (1.0 credits)
- ___ Health (0.5 credits)
- ___ Sports Performance (0.5-1.0 credits)
- ___ Intro to Team Sports(0.5-1.0 credits)
- ___ Competitive Sports (0.5-1.0 credits)
- ___ Light Fitness (0.5-1.0 credits)

PREPARATORY(0.5 Electives)

___ Life Skills

Waubonsee Community College Tracks(Plano Campus)

FALL:

Engineering/CAD Pathway

___ Intro to Engineering(EGR100)M/W

___ AutoCAD I(CAD I)T/TH

Cybersecurity Pathway

___ Information Technology Fundamentals(CIS 107)M/W

___ Networking Essentials(CIS 122)T/TH

SPRING:

Engineering/CAD Pathway

___ Engineering Graphics(EGR 101)

___ AutoCAD II(CAD120)

Cybersecurity Pathway

___ Information Technology Professional I(CIS 118)

___ Information Technology Professional II(CIS 119)

SCIENCE (3.0 Credits Required)

___ Biology

___ Honors Biology*

___ Chemistry

___ Honors Chemistry*

___ Physics

___ Anatomy & Physiology

___ Dual Credit Physics**

SOCIAL SCIENCE (3.0 Credits Required for 25-26/3.5 for 2027 +)

___ Geography (0.5 credits)

___ World History (1.0 credits)

___ U.S. History (1.0 credits)

___ Honors U.S. History (1.0 credits)*

___ U.S. Government (0.5 credits)

___ Economics (0.5 credits)

___ Psychology(0.5 credits)

___ Street Law(0.5 credits)

WORLD LANGUAGE (Electives)

___ Spanish 1

___ Spanish 2

___ Honors Spanish 2*

YCHS Honors Information and Prerequisites

Honors level courses are designed to challenge students whose reading and writing skills are well developed and are able to move into classwork that is based primarily on critical thinking as applied to the comprehension of new content knowledge, the synthesis of ideas, and the presentation of conclusions through a variety of communication media. Honors level courses are paced assuming that remediation of basic and general skills in class is unnecessary. Assignments and assessments in honors courses are graded with this assumption in mind and therefore require a commitment to detail and completeness. Honors placement is not guaranteed throughout a student's high school career. All criteria will be reassessed each year. Honors coursework comes with a 0.5 GPA escalator.

***Honors Language Arts Criteria**

- Earns and maintains an 'A-' average in coursework
- Scored at or above the top national 25th percentile for his/her grade level in both Language Usage and Reading on the MAP(Measures of Academic Performance) Assessment or equivalent OR
- Scored at or above the top national 25th percentile for his/her grade level in both Language Usage and Reading on the PreACT Assessment or equivalent
- Demonstrates independence, focus, and work ethic through the consistent completion of course work
- Enhances classroom atmosphere by having a positive attitude and a teachable spirit
- Demonstrates analytical and evaluative skills through written and spoken word
- Presents ideas logically and persuasively through written and spoken word
- Identifies and summarizes key points and responds critically to the text
- Composes strongly organized pieces that follow standard English conventions
- New Students: placement testing will take place

***Honors Math Criteria (Geometry/Algebra II)**

- Possess strong problem solving skills
- Make connections leading to further exploration and discovery
- Draw conclusions based on data interpretation
- Willingly and actively contributes to a positive learning environment through discussion and listening
- Earn and maintain an 'A-' average or higher in the previous math course
- Scored at or above the top national 25th percentile for his/her grade level in Math on the MAP(Measures of Academic Performance) Assessment or equivalent OR
- Scored at or above the top national 25th percentile for his/her grade level in Math on the PreACT Assessment or equivalent
- New Students: placement testing will take place

***AP Calculus Criteria(in addition to the above)**

- Maintains a 'B' average in Precalculus
- Maintains a 3.0 or greater GPA
- Scored 80% or higher on latest Precalculus Final or 90% or higher on Precalculus assessments
- Demonstrate independence, focus, and work ethic

***Honors Science Criteria (Biology/Chemistry)**

- Possess strong problem solving skills
- Make connections leading to further exploration and discovery
- Draw conclusions based on data interpretation
- Willingly and actively contributes to a positive learning environment through discussion and listening
- Earn and maintain an 'A-' average or higher in the previous science course
- Scored at or above the top national 25th percentile for his/her grade level in Science on the MAP(Measures of Academic Performance) Assessment or equivalent OR
- Scored at or above the top national 25th percentile for his/her grade level in Science on the PreACT Assessment or equivalent
- Honors Chemistry placement: students must have a 'A-' or higher in Algebra I and Geometry

***Honors U.S. History Criteria**

Earns and maintains an ‘A-’ average in World History coursework

- Demonstrates independence, focus, and work ethic through the consistent completion of course work
- Enhances classroom atmosphere by having a positive attitude and a teachable spirit
- Demonstrates analytical and evaluative skills through written and spoken word
- Presents ideas logically and persuasively through written and spoken word
- Identifies and summarizes key points and responds critically to the text
- Composes strongly organized pieces that follow standard English conventions
- Self-advocates

***Honors Spanish 2 Criteria**

- Maintains an “A” average in Spanish class
- Maintains a cumulative 3.0 or greater GPA
- Scored 85% or higher on the latest Spanish final exam
- Demonstrates independence, focus, and work ethic through the consistent completion of course work
- Enhances classroom atmosphere by having a positive attitude, a teachable spirit, and an appreciation for the Spanish culture and desires to cultivate speaking/writing skills to expand proficiency.

*Honors courses are based on faculty recommendations with weighted grades(0.5 GPA escalator).

**Dual credit courses receive both high school and college credit and have weighted grades(1.0 GPA escalator).

***AP courses: students must take the AP test in May for possible college exemption(1.0 GPA escalator).

as well as SAE's are required. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is integral to the course component for leadership development, career exploration and reinforcement of academic concepts.

Introduction to Ag Mechanics(Spring) 0.5 credits(1 semester)

Grade Levels: 10-12

**Prerequisite for this course is Introduction to Agriculture*

This course is designed to introduce the concepts of different agricultural mechanics areas to students. Students should expect to cover topics in the areas of safety, electricity, small engines, construction, plumbing, and surveying. Introduction to agriculture mechanics is an agriculture based course and FFA activities as well as SAE's are required. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is integral to the course component for leadership development, career exploration and reinforcement of academic concepts.

Introduction to Food Science 0.5 credit(1 semester) Grade Level: 10–12

**Prerequisite for this course is Introduction to Agriculture*

This course provides learning experiences in food science and safety which allow students to apply scientific knowledge and processes to practices used in the development and preservation of food products. Issues of food science and safety are examined from a scientific and technological perspective. Students critically analyze information to evaluate and draw conclusions on the appropriate use of technology to implement food science and safety practices. Units of instruction include principles of food preservation, food processing, biochemistry of foods, food selection, and consumer health. Careers to be examined include meat inspector, quality control technician, food processor, and sanitation supervisor. Students will use scientific and technological information about food science and safety as a part of developing career plans and personal viewpoints on societal issues concerning the development and preservation of food products. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

Horticultural Science and Landscaping 0.5 credit(1 semester) Grade Level: 10-12

**Prerequisite for this course is Introduction to Agriculture*

This course is designed to introduce students to the horticulture industry and provide them with basic plant science knowledge that can be further developed in advanced horticulture courses. Major units of instruction include horticulture research, horticultural careers, plant anatomy, seed germination, plant propagation, growing media, pest management, hydroponics, identifying horticultural plants, growing greenhouse crops, and floral design. Also included are introductory landscaping concepts such as the landscape & nursery segments of the horticulture industry. Units of student instruction will include: identifying landscape plants, designing landscape plans, growing plants from seed and planting & maintaining landscaping and rain gardens. Agribusiness units will cover calculating prices for work, managing a horticulture business, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Plant Science 1.0 credit (2 semesters) Grade Level: 10-12

**Prerequisite for this course is Introduction to Agriculture*

**Satisfies Life Science requirement*

This course is designed to reinforce and extend students' understanding of biology by associating advanced scientific principles and concepts with relevant applications in agricultural plant systems.

LEAD/Culture & Theology**1.0 credit (2 semesters)****Grade Level 12****Bible IV**

Semester 1: This first semester class challenges students with the eternal plan and purpose of God for the earth and their role in participating in His mission. Students will unpack their unique talents and learn to steward them into strengths while gaining a deep understanding of God's perspective on their life.

Semester 2: This second semester class equips students to identify the tension between the eternal plan of God and the reality of operating in a disintegrated culture. Students will examine the purpose of God for their earth and their role in applying their unique calling in this generation.

Be Transformed**0.5 credit (1 semester)****Grade Level: 11-12**

The purpose of this course is to equip students with basic guidelines, principles, and tools to effectively evaluate the claims, sources, and accounts of Jesus through the book of John and the book, Be Transformed by Warren Wiersbe. Students will learn as they assess Biblical, historical non-Christian, and contemporary non-Christian sources to develop a personal and reliable lens to determine their response to who Jesus is in their life. This course is for juniors and seniors who want to grow deeper in their faith and knowledge of the Bible.

Be Daring**0.5 credit (1 semester)****Grade Level: 11-12**

The purpose of this course is for students to discover who the Holy Spirit is and what His role is as part of the trinity and in their lives. They will read through the second half of the book of Acts along with the book, Be Daring by Warren Wiersbe, while learning how to put their faith in action. This course is for juniors and seniors who want to grow deeper in their faith and knowledge of the Bible.

Communications/Media**Adobe Photoshop/Illustrator****0.5 credit (1 sem)****Grade Level: 9-12**

Students will learn the basics of Illustrator & Photoshop while applying their learning to a variety of projects.

- Program Interface
- Tools
- Illustration
- Image manipulation
- File Types

****Introduction to Business(Dual-Credit) 0.5 credit (1 semester)****Grade Level: 9-12**

Foundational understanding of business concepts, attitudes and philosophies about business operations in free/open markets as well as more stringent markets. The following topics are introduced: management strategies/philosophies, marketing (including digital impact), accounting and finance basics (balance sheets, inventory, depreciation), securities markets and regulation, economics, ethics and social responsibility, human resources and human asset management, advertising and product promotion (including brick and mortar store approach vs e-commerce), distribution and international business, and entrepreneurship with SWOT analysis focus.

Fulfills computer/business requirement

3D Rendering and Design **0.5 credit (1 semester)** **Grade Level: 9-12**
Introduction to 3D rendering in Blender. Students will learn the program basics, design concepts and print their work on 3D printers for review.

****Speech(Dual-Credit)** **0.5 credit (1 semester)** **Grade Level: 10-12**
This college dual credit course introduces students to the theories of human communication, interpersonal communication, and group communication in a variety of environments and situations. Students will work individually to deliver introductory, informative, persuasive, and narrative content. Individual work will culminate in preparing for a job or scholarship interview. Additionally, students will work in groups and the challenges that come with being part of a team tasked with delivering a cohesive message utilizing the individual contributions of all members. (Sem1)

****Mass Comm(Dual-Credit)** **0.5 credit (1 semester)** **Grade Level: 10-12**
This college dual credit course directs students to analyze and understand the nature and impact of media on society. Areas of emphasis include theories in mass communication, media uses and impacts, research, ethics, and social responsibilities. Students will look at the historical developments in the areas of print, radio, film, television, internet technologies, public relations, and advertising and the business practices and legal controls that affect each of them. (Sem 2)

Media Production **0.5 credit (1 semester)** **Grade Level: 10-12**
During this semester-long course, students will create scripts and then produce short media projects using various production tools. Basic use of digital audio/video capture and editing will be covered. Students will record and edit podcasts, original commercials and public service announcements, create websites with dynamic content, and build multimedia portfolios to showcase their work.

Critical Film Analysis **0.5 credit (1 semester)** **Grade Level: 11-12**
This course gives students an introduction to looking at film creation as an art form by examining aesthetic and production elements of the motion picture medium. There will be four key production elements that will be covered: cinematography, art direction, sound production, and editing. Each of these lend themselves to the style narrative which will be studied as well. Students will view scenes and full length films to critically analyze and dissect the production elements involved. (Sem 1)

Screenwriting **0.5 credit (1 semester)** **Grade Level: 11-12**
**Prerequisite for this class is Critical Film Analysis.*

This course will introduce students to the format and structure of a Hollywood movie script and how to approach and execute writing a first draft. Since the secret to great writing is writing, rewriting, and more writing, focus will be on writing in small and frequent sections and evaluating (through self, peer, and instructor views) the written work so it can be reworked. Students will devise a premise for an original film and write an “elevator pitch” as well as a one page summary prior to writing the draft. They will then create the main pillars of action and events that drive the three main acts of the film, develop characters, learn scene set up and descriptions, craft a cohesive story line, determine a story climax, resolution or lesson, and evaluate the writing from an objective approach as a potential moviegoer. (Sem 2)

Video Game Foundations 0.5 credits(1 semester) Grade Level: 9-12

This course will introduce students to the video game design pipeline. Students will learn the process of creating a game's story and game play, crafting levels, maps, treasures, supplies, easter eggs, tools and the visual look of the world(s), characters, and creatures.

Yearbook Production 0.5 or 1.0 credits(1 or 2 semesters) Grade Level:9-12

In this hands-on course, students will take on the responsibility of creating the school's yearbook from concept to publication. Students will develop skills in photography, graphic design, layout, and digital publishing while working collaboratively to capture the essence of the school year. The course emphasizes journalism principles, storytelling, and marketing, as students will also engage in writing and promoting the yearbook to the student body. No prior experience is required, but creativity, responsibility, and a willingness to collaborate are essential.

Language Arts

Freshman Lit and Composition 1.0 credit (2 semesters) Grade Level: 9

This course is the survey and application of the basic elements of functional grammar, first ensuring the student's previous knowledge of grammatical elements and then progressing towards advanced concepts including sentence structure, diction, standard punctuation, and capitalization. It is also designed to introduce students to selected types of literary works by American, British, and European writers. The composition component involves progression from sentence to paragraph to short, varied, creative writing assignments. Reading and writing assignments will be frequent and challenging with an emphasis on spelling and vocabulary development. It will also include introductory ACT/SAT English skills and vocabulary.

***Honors Freshman Lit and Comp 1.0 credit (2 semesters) Grade Level: 9**

Course Description: Students selected for the honors section will show strong literary analysis and advanced writing skills. Honors students must be independent learners. Moreover, an honors student should be responsible, organized, engaged, and self-motivated as he or she seeks to be an active participant in the classroom. The purpose of this course is to nurture understanding and appreciation for literature while exposing students to influential texts from a Christian worldview. The themes of journey and coming of age join the core texts together. Vocabulary knowledge and critical writing skills will develop as students write in a variety of genres. Students will also collaborate and use technology to further their presentation skills. *See honors course information*

Sophomore Lit and Comp 1.0 credit (2 semesters) Grade Level: 10

Students in English II will continue to study various genres of increasing complexity, examine various texts for a variety of purposes, and write and respond to a variety of fiction and non-fiction texts. Language study and grammar reviews are integrated with oral and written assignments. Students will be college and career ready in reading, writing, listening, and speaking as they demonstrate independence in the areas of content knowledge, comprehension and critique, and the strategic use of technology and digital media. Students will come to understand other viewpoints and cultures as they are introduced to global perspectives. This course will also include intermediate ACT/SAT English skills and vocabulary.

***Honors Sophomore Lit and Comp 1.0 credit (2 semesters) Grade Level: 10**

Students selected for the honors section will show deep literary analysis and advanced writing skills. Honors students must be independent learners. Moreover, an honors student should be responsible, organized, engaged, and self-motivated as he or she seeks to be an active participant in the classroom.

This course focuses on literature by influential American and British authors. Students are instructed in the art of critical reading and asked to respond to literature through writing and public speaking projects while utilizing technology. Discovering themes presented by each author studied, as well as comparing and contrasting these themes with Biblical truth, is a central focus of this course. Vocabulary development is also an important aspect. *See honors course information.*

Junior Lit and Comp

1.0 credit (2 semesters)

Grade Level: 11

Allowing for coherence with Sophomore Lit and Comp, this course demands that students continue to become avid critical readers with strong writing skills. ACT/SAT preparation will include all areas of testing: Usage/Mechanics (punctuation, grammar, sentence structure) and Rhetorical Skills (strategy, organization, style). With the increased difficulty of reading texts and analytical thought, students will also sharpen their writing skills in preparation for the essay portion of the ACT/SAT test.

***Honors Junior Lit and Comp**

1.0 credit (2 semesters)

Grade Level: 11

This course is structured to build upon the literature, composition, grammar, vocabulary, and other communication skills addressed at the honors sophomore level. The literature studied focuses on several American influential authors throughout history. Works by these authors are utilized to instruct students in the art of critical reading and strengthen their abilities to respond to literature through writing and speaking. Students will discover themes and messages presented by each author and examine connections between them, as well as comparing and contrasting them with Biblical truth. Students selected for the honors section are expected to be active participants, engaged, self-motivated, and capable of reading more complex material while responding with interesting and original insight. *See honors course information*

Senior Lit and Comp

1.0 credit (2 semesters)

Grade Level: 12

This course focuses primarily on British Literature through various historical periods. Students will explore works of key authors from British literary movements and use these works as a basis for the development of their own writing and speaking skills. Students will examine various literary styles and techniques as well as think critically to evaluate the various themes of the works studied. Students will also engage in literary criticism as they evaluate short stories, novels, and poetry of the given eras that are studied. Authors and poets studied may include O'Brien, Shakespeare, Shelley, Orwell, and Whitman.

***Honors Senior Lit and Comp**

1.0 credit (2 semesters)

Grade Level: 12

This course is designed to give students a challenging intellectual experience as they prepare for the college-level study of literature. Students will read a variety of texts that will expose them to different styles, authors, and literary techniques as they prepare for both college and the AP test. Students will examine the writer's use of language and its effects upon the reader's experience. Structure and themes of the works will also be considered through the course of the semester. Students will also work to develop their own skill as a writer through several written assignments in a variety of styles. *See honors course information.*

World Language

Spanish I

1.0 credit (2 semesters)

Grade Level: 9-10

This is a first year introductory course to the Spanish language and its culture. Emphasis will be placed on the development of listening, speaking, reading, and writing skills. Students will learn to communicate on topics of daily life, in paired practice, small group work, and role plays. A study of the geography and culture of countries where the language is spoken is also a part of this course. Students will develop a

basic understanding of how to express feelings and opinions, describe people, things and places, and make requests. Students will be able to ask and answer simple questions on familiar topics.

Spanish II

1.0 credit (2 semesters)

Grade Level: 10-12

This yearlong course is designed to build on vocabulary, grammar, and culture learned in Spanish 1. This course will focus on improving listening, speaking, reading, and writing skills. The students will continue to communicate on topics related to life, travel, sports, food, and culture.

***Honors Spanish II**

1.0 credit (2 semesters)

Grade Level: 10-12

Prerequisite: Must have earned a grade of "A" or higher in Spanish I and pass a placement test.

This yearlong year course is designed for the student that is ready for a deeper study of the language. Students will progress toward the goal of independent use of the language and critical thinking skills in listening, speaking, reading, and writing skills. Students will strengthen grammar and vocabulary with depth and complexity at an accelerated pace. Students will continue to learn about the geography, history, food, and other cultural aspects of countries where the language is spoken.

Math

Algebra I

1.0 credit (2 semesters)

Grade Level: 8-9

Algebra provides development of algebraic skills and concepts necessary for students to succeed in advanced courses; there will be a noticeable overlap with other math and science courses, with an emphasis on problem solving skills. Topics include: operations with real numbers, linear equations and inequalities, relations and functions, polynomials, algebraic fractions, and nonlinear equations.

Algebra II

1.0 credit (2 semesters)

Grade Level: 10-12

This course is designed to build on algebraic and geometric concepts. It develops advanced algebra skills such as: systems of equations, advanced polynomials, imaginary and complex numbers, quadratics, and concepts and includes the study of trigonometric functions. It also introduces matrices and their properties.

***Honors Algebra II**

1.0 credit (2 semesters)

Grade Level: 10-12

This course is a comprehensive honors course that broadens and extends algebraic concepts covered in Algebra 1 and prepares students for advanced-level courses such as pre-calculus and calculus. Students are challenged to work toward a mastery of computational skills, to deepen their conceptual understanding of key ideas and solution strategies, and to extend their knowledge in a variety of problem-solving applications. Course topics include conic sections; functions, relations, and their graphs; quadratic functions; inverse functions; advanced polynomial functions; rational functions; radical functions; exponential and logarithmic functions; and sequences and series. *See honors requirements*

Geometry

1.0 credit (2 semesters)

Grade Level: 9-11

**Prerequisite: Algebra I*

Geometry is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions. It includes the study of transformations and right triangle trigonometry. It also emphasizes writing proofs to solve (prove) properties of geometric figures. Inductive and deductive thinking skills are used in problem solving situations, and applications to the real world are stressed.

Piano 101 **0.5 credits(1 semester)** **Grade Level: 9-12**
This semester-long course is designed to help students acquire the basic skills needed for beginning level piano playing. Notation, fingerings, keyboard awareness, treble and bass clef reading, major scales, root position triads, rhythms and time signatures will be studied and incorporated in classroom performance. This class is designed for students with LITTLE to NO piano experience.

Piano 201 **0.5 credits (1 semester)** **Grade Level: 10-12**
This semester-long course is designed for students who have passed Piano 101 or who have had 1-2 years of previous experience with piano. This course is designed to help the student continue to develop skills learned in Piano 101 with more complex notation, rhythms, hand movement, and repertoire.

Theater Showcase **0.5 credits (1 semester)** **Grade Level: 9-12**
Students will learn stage performance through a variety of exercises and drills for stage acting, moving, and singing. Each student will work on a performance as part of their final grade which will result in a live showcase in front of an audience.

Toy and Game Design **0.5 credits (1 semester)** **Grade Level: 9-12**
Students will take part in toy and game design with the express intent of growing their drawing, problem solving, design and presentation skills. Students will keep a design/idea book while building an understanding of real-world thought and design process. Additionally, students will develop drawing and writing skills while developing strong presentation skills of their work in a collaborative way.

Science

Anatomy and Physiology **1.0 credit (2 semesters)** **Grade Level: 11-12**
**Prerequisite: Biology, Chemistry*

This full-year laboratory course is designed to acquaint the student with general anatomy and physiology presented through a Christ-centered perspective. It is meant to engage students and make them functionally literate in the language and images of the human form. The structure and function of the body's systems will be investigated using microscope investigations, laboratory exercises, and extensive dissections designed to give the student hands-on experience with different tissues and organ systems. Major topics will include histology, the body's organs and organ systems, homeostasis, health, development, injury/pathology, disease diagnosis and treatment, medical imaging, drug action, and a culminating trip to a local university's cadaver lab. Students will be expected to complete case study investigations and apply their understanding of the human body. This course will help prepare students interested in medicine, nursing, research, EMT, physical therapy, pharmacy, sports training, and their related fields of study including art (human form), psychology, and/or anthropology.

Biology **1.0 credit (2 semesters)** **Grade Level: 9-10**
This course presents an introduction to living organisms, how they function, and how they interact in the biosphere. Included are topics such as: ecology, biochemistry, cells (structure, division, and energy usage), human body systems, genetics, bacteria and viruses and an introduction to plants.

***Honors Biology** **1.0 credit (2 semesters)** **Grade Level: 9-10**
An inquiry-centered, laboratory course in Biology. The course stresses the nature of life processes in greater depth. Students will be guided through the scientific process and examine all levels of biological organization from molecules and cells to populations and ecosystems. *See honors information*

Physics **1.0 credit (2 semesters)** **Grade Level: 11-12**

This course provides an in-depth, collaborative, and project-based learning experience focused on the science of physics. The program covers mechanics in one dimension, mechanics in two dimensions, momentum and energy, waves and light, electricity and magnetism, and subatomic physics, as well as cross-curricular earth science topics.

Chemistry **1.0 credit (2 semesters)** **Grade Level: 10-12**

This introduction to the basic concepts of general chemistry includes basic atomic structure, chemical symbols, formulas and equations, chemical equation calculations, phases of matter, algebraic manipulations, molecular structure, solutions and solution chemistry. Students will also become acquainted with lab safety, various basic lab skills and techniques, some computer-assisted labs with their techniques and basic theory.

***Honors Chemistry** **1.0 credit (2 semesters)** **Grade Level: 10-12**

This course is a more in-depth exploration, which focuses on labs, note taking and class discussions. Because of the nature of the course, critical thinking is employed as we explore God's laws and how they are used to benefit our society and glorify our Creator. Students will study chemistry equipment and techniques, elements and compounds, gasses, thermodynamics, the structure of matter, the periodic table, math used in chemistry, the metric system, and a core of chemical foundations used today. The course develops the concepts of chemical bonds and intermolecular forces, balanced equations, stoichiometry, and the proper use of the scientific method. *See honors course information*

****Physics (Dual Credit)** **1.0 credit(2 semesters)** **Grade Level: 11-12**

**Prerequisite or Corequisite: Trigonometry*

This dual credit course offers a study of the fundamental laws of mechanics, forces and motions, energy, material, properties, fluids, and heat.

Social Sciences

Government **0.5 credit (1 semester)** **Grade Level: 12**

The study of American government is designed to teach students the workings of the American government and the Constitution, and instill in them their responsibilities toward God, one another, and their country as citizens. While the course focuses on the federal government, students are exposed to state and local government as well. Students will be challenged to see the need for Christians to be involved in all aspects of government. *Prerequisite: U.S. History and World History*

Economics **0.5 credit (1 semester)** **Grade Level: 12**

The study of economics is designed to provide students with a basic understanding of the U.S. economic system, classical and Keynesian economics, as well as to challenge them to identify and accept their responsibilities toward God and their fellow man. While the course focuses on the American system of economics, students are introduced to other common theories that are presently in use in the world today. Students will experience hands-on investing and the factors which influence the stock market.

Prerequisite: U.S. History

Geography **0.5 credits (1 semester)** **Grade Level: 9**

Students will review states and capitals of the U.S. and continue with the study of other continents, countries, and capitals. Mapping skills are also introduced and incorporated into each unit studied. The course is designed to focus on the climates and landforms of a region and on the culture, history, and environment of those regions. Special emphasis is placed on the resources produced by other countries

and the impact they have or do not have on the United States. Religions found in each country and how they compare and contrast with Christianity are also studied.

World History

1.0 credit (2 semesters)

Grade Level: 10-11

This course will introduce students to the major themes throughout world history beginning with the modern times of Renaissance and Enlightenment in Europe. Along with this, the course will use maps and other geographic tools to assist in the learning process. This class will teach students how the past connects with the future. Students will be able to make connections with the past that directly affect their lives today.

U.S. History

1.0 credit (2 semesters)

Grade Level: 11-12

U.S. History will be taught in a chronological sequence, beginning with early European colonization, organization and formation of the government, and extending to present day events. Students will remain engaged through a variety of activities including text reading, map analysis, debate, inquiry, research, presentation, media, and current event discussion. Students must pass a Constitution Test during this school year.

***Honors U.S. History**

1.0 credit (2 semesters)

Grade Levels: 11-12

Junior Honors American History will cover critical topics of our nation's history from the precolonial period to the present. Students will learn the economic and diplomatic interactions of the 20th century between the United States and other nations and learn the root causes of the Great Depression and the World Wars. Students will understand the impact of these key events of history on the American people. The course will key on the development of historical analytical skills such as cause and effect, the impact of media, and how multiple perspectives are used. Students will rely heavily on their Christian faith and morality to evaluate events of history throughout the entire year. Students will be challenged on a daily basis with developing their analytical skills through a variety of different assessments. Students will enhance their communicative skills through various writing assessments and presentations. The course is built to state standards and students will be approved for their selection in this course by the social studies department and school administration.

Psychology

0.5 credit (1 semesters)

Grade Level: 11-12

This course will provide students with an introduction to a humanities level course to include topics in psychology, sociology, social work, etc. This is a great opportunity to fulfill a college level humanities requirement while in the Christian setting.

Street Law

0.5 credit (1 semester)

Grade Level: 11-12

The Street Law (semester) course is an introduction to the law and legal systems of the United States. The major focal points of this course include constitutional law, general legal principles, civil and criminal law, the courts, court procedures and civil rights. Additional topics may include family law, housing law and consumer law. Students engage in real-world experiences to deepen their personal understanding of government, individual rights, the legal system and legal disputes. These learning experiences are characterized by the use of case studies, mock trials, contemporary issues, current events and legal research and applied to students' everyday lives.

Physical Education

Health and Wellness

0.5 credit (1 semester)

Grade Level: 9-11

During this semester-long course, students will learn how their body functions and the importance of making wise decisions to protect their health and well-being. In addition to physical health, students will learn healthy skills related to mental/emotional health, social health, and spiritual health – including topics such as stress management, communication and relationships, body image, coping skills, safety, and dealing with peer pressure and difficult situations.

Intro to Team Sports

1.0 credits(2 semesters)

Grade Level: 9-12

Students will learn the rules, skills, fundamentals and strategies in a variety of individual and dual sport activities. Health, safety and sportsmanship will also be emphasized and assessed during this class.

Light Fitness

1.0 credits(2 semesters)

Grade Level: 9-12

Students will participate in daily light fitness activities while analyzing activity levels such as heart rate and steps taken with varying intensities.

Competitive Team Sports

1.0 credits(2 semesters)

Grade Level: 9-12

Students will participate in a variety of competitive team sports at an advanced level of activity, performance and skill development.

****Intro to Coaching (Dual Credit) 1.0 credit (2 semesters)**

Grade Level: 10-12

This dual credit course introduces students to the coaching profession:

- Students will develop a coaching philosophy, understand psychological principles and applications for effectively communicating with and listening to and motivating athletes, managing behavioral problems, design instructional plans for team practices and plans for an entire sports season.
- Students will become familiar with principles for coaching with character while developing good character and sportsmanship in athletes, and for coaching athletes with diverse backgrounds, characteristics, and abilities
- Students will apply methods for effective team management, managing interpersonal relationships in coaching, and for protecting athletes from risk and coaches from liability issues
- Students will understand the principles and issues related to planning, organizing, staffing, and directing and take part in a Semester 2 practicum

Sports Performance

1.0 credits(2 semesters)

Grade Level: 9-12

This high-intensity class is designed for those students who are serious about improving their skills for high school and college athletics. Athletic skills such as hand-eye coordination, jumping ability, speed and agility and strength will be stressed in this class. Students will be required to keep record of their progress, attendance, body fat percentage, food intake and sprint times to monitor their improvement as the year progresses..*If the student has other activities which may take them away from fully participating during class, students should look to not enroll.* Grading will partially be judged on attendance and progress made during each quarter. Regular communication to discuss enrolled students between the Sports Performance teacher and the coaching staff will take place weekly.

Preparatory

Life Skills 101

0.5 credit(1 semester)

Grade Level: 11-12

This course is designed to introduce students to several basic life skills including, but not limited to: goal setting; personal finance and budgeting; consumer awareness; investing and retirement; insurance (health, life, home, auto, etc...); auto maintenance and simple repairs; resumes, interviewing, and workplace etiquette; and domestic skills (utilities, rental agreements, etc). Students will have a better understanding of the world around them and will become more confident in their ability to navigate this ever-changing world on their own when the time comes.

****AutoCAD I***

0.5 credits(1 semester)

Grade Level: 11-12

This dual credit course introduces computer aided drafting using AutoCAD to set up drawings and add lines, circles, arcs, other shapes, geometric constructions, and text. Students use display and editing techniques to obtain information about their drawings and work with drawing files. This course examines basic dimensioning concepts.

****AutoCAD II***

0.5 credits(1 semester)

Grade Level: 11-12

**Prerequisite for this course is AutoCAD I.*

This course is designed to build on the skills acquired in the AutoCAD I course. Students learn how to properly create and detail orthographic views with both conventional and geometric tolerances, and to annotate working drawings according to ANSI-American National Standards Institute standards. Additional topics of study include: dynamic blocks, block attributes, external reference files, assembly layouts, bill of materials, fasteners, and weldments.

****Information Technology Fundamentals* 0.5 credits(1 semester)**

Grade Level: 11-12

This course provides a foundation in IT, covering essential topics such as hardware, software, networking, security, and troubleshooting. Students will gain a clear understanding of fundamental IT concepts and apply their knowledge through hands-on exercises. The course aligns with the CompTIA Tech + exam objectives, offering thorough preparation for certification and a successful start in the IT field.

****Networking Essentials***

0.5 credits(1 semester)

Grade Level: 11-12

**Prerequisite for this course is Information Technology Fundamentals.*

This course covers basic network fundamentals including network interfaces, standard design principles, common network devices, common network operating systems and topologies, and network management issues.

****Information Technology Professional I* 0.5 credits(1 semester)**

Grade Level: 11-12

This course provides a thorough exploration of computer systems, covering hardware components, networking concepts, mobile devices, and security fundamentals. Students will learn to navigate operating systems, install software, and implement robust security practices. Through practical exercises, simulations, and real-world scenarios, students will develop

hands-on proficiency. Upon completion, students will be well-prepared for the CompTIA+ Core 1 exam.

****Information Technology Professional II* 0.5 credit(1 semester)**

Grade Level: 11-12

This course covers the installation, configuration, and maintenance of various operating systems, including Windows, macOS, Linux, iOS, and Android. Emphasis is placed on advanced security concepts and effective incident response. Students will also learn comprehensive software troubleshooting and IT service management practices, including communication and professionalism. Through practical labs, case studies, and simulations, students will gain hands-on experience to excel in the CompTIA A+ Core exam.

****Introduction to Engineering* 0.5 credit(1 semester) Grade Level: 11-12**

The purpose of the course is to provide an introduction to the profession of engineering, including the wide variety of fields of study and potential careers. This course will cover general engineering theory and provide an overview of different engineering fields. Students will learn how to use computer aided design software and lab equipment within the framework of the engineering design process.

****Engineering Graphics* 0.5 credit(1 semester) Grade Level: 11-12**

**Prerequisite to this course is Introduction to Engineering*

This introduction to engineering and design including drafting, dimensioning, tolerancing, fasteners and descriptive geometry. Engineering graphics topics include multi-view orthographic representations, principal auxiliary views, section views and production drawings for part models. At least 50 percent of the course requires the student to use Computer Aided Drafting and Design(CAD).

****Dual Credit(weighted with a 1.0 GPA escalator)**

Students may earn high school and college credit concurrently while enrolled in Dual Credit classes. Currently, Dual Credit is offered through Waubonsee Community College and Lewis University. Some classes are taken at Yorkville Christian High School and are taught by qualified YCHS teachers. Other classes(WCC Plano) are taken at the Plano campus. Students must be at least 16 years of age or older to earn college credit, unless an underage waiver is completed. Successful completion of the course, as determined by the grade awarded, earns Waubonsee Community College or Lewis University Credit that is transferable to all Illinois colleges and universities. Students and parents should know that grades earned in Dual Credit courses are indicated on both the high school and college transcripts. Tuition costs associated with Dual Credit courses offered through Yorkville Christian High School are paid for by the school. **Families will be charged the costs associated with dual credit courses.**

****YCHS Course Title (all courses are WCC except Physics which is Lewis)**

Intro to Business

Intro to Coaching

Speech

Mass Communication

Physics

***CAD 102 Auto CAD I

***CAD 120 Auto CAD II

***CIS 107 Information Technology Fundamentals

***CIS 122 Networking Essentials

***CIS 118 Information Technology Professional I

***CIS 119 Information Technology Professional II

***EGR 100 Introduction to Engineering

***EGR 101 Engineering Graphics

***Taken at Waubonsee Community College, Plano Campus