

# YCHS Course Catalog: 2018-19

## **Biblical Studies**

### Bible Survey

This survey course will examine all facets of the Bible, including its authors, content, and uniqueness as compared to other texts.

### Teachings of Jesus

Students will study the teachings of Jesus during his time on earth. Students will investigate why Jesus was considered groundbreaking to some and offensive to others. Did he change the rules, or simply clarify them?

### Covenants, Commitments, and Promises

This course will explore the covenants laid out in the Bible. They will seek to answer the following questions: What is a Covenant? How many covenants are there? What does God promise to His people? How do these promises benefit me?

## **Business**

### Consumer Education

The mission of this semester-long course is to empower students to make sound financial decisions for life. The unique tools used in this course will effectively teach students the basics of personal finance. Using methods that are both entertaining and engaging, this course provides the next generation a solid foundation on which they can build their financial future.

## **Communications**

### Broadcast Writing & Media Production

This course provides students with the fundamental skills to engage in creative and tactical writing projects for radio, television, podcasts, and the big screen. Formatting, style guides, industry terminology, and creative exercises to facilitate writing will be covered. The students will then move into a production environment where they will create scripts and then produce short projects in these environments. Basic use of digital audio/video capture and editing will be covered.

## Communications

This course is a hybrid course, blending Speech Communication and Mass Communications. Speech Communication will be the focus during the fall semester, while the spring semester will be the Mass Communications portion. Splitting the courses by semester will allow students to earn 6 college credits within one communications course.

**Speech Communication-** This 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.

**Mass Communication-** This 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.

## Criminal Justice

### Criminal Justice and Career Exploration

This hybrid course blends Introduction to Criminal Justice and Criminal Justice Career Exploration. Criminal Justice will be the focus during the fall semester, while the spring semester will be the Criminal Justice Career Exploration portion. Splitting the courses by semester will allow students to earn 6 college credits within one criminal justice course.

**Introduction to Criminal Justice-** This survey and analysis of the criminal justice system includes a historical and philosophical overview of the development, with special emphasis on the system's primary components and the relationship of these components in the administration of criminal justice in the United States.

**Criminal Justice Career Exploration-** This course is designed to allow students to explore the various career choices within the criminal justice system. Emphasizing work-related characteristics, job duties, employment potential, and career trends, the course provides an overview of the day-to-day operations and activities of policing.

### The American Court System

This dual credit course studies the American criminal court system and its relationship with law enforcement and corrections. Focusing on the adult criminal court system, topics include the dynamics of the court system, the pivotal role the court plays in the criminal justice system, and the court's relationship with the juvenile justice system.

## English/Language Arts

### English I

In this full-year foundational English course, students will improve reading, writing, listening, speaking, and language skills.

### English II

In this full-year sophomore-level English course, students will continue developing their reading, writing, listening, speaking, and language skills.

### English III

In this full-year junior-level English course, students will study British Literature, while continuing to develop their reading, writing, listening, speaking, and language skills.

### English IV

In this full-year senior-level English course, students will study American Literature, while continuing to develop their reading, writing, listening, speaking, and language skills.

## Foreign Language

### Spanish I

This course will introduce the fundamentals of speaking, listening, reading, and writing. Several aspects of Hispanic culture are studied and researched throughout the course.

### Spanish II

Spanish II covers dialogues, grammar, and vocabulary building related to life, travel, sports, food and culture. The course will focus on improving reading, speaking, writing, and listening skills. Spanish I at YCHS or a placement test is a prerequisite.

### Spanish III

Spanish III expands (from Spanish II) on grammar concepts, speaking, writing, pronunciation, and listening skills. Each lesson covers activities which teach the students how to better understand difficult written and spoken texts in order to communicate efficiently with Spanish speakers. Students are expected to actively engage in their language learning, use correct vocabulary terms and phrases, and participate in Spanish focused class conversations. The course is conducted almost entirely in Spanish.

*\*Prerequisite: Completion of Spanish II with a grade of C or better and obtain a recommendation from the Spanish II teacher to continue studies at the third level.*

# Math

## Pre-Algebra

Pre-Algebra is designed to emphasize the continued study of integers, order of operations, variables, expressions, and equations. Students will solve and graph equations and inequalities, write and solve proportions, and explore geometry, statistics, and graph concepts. Problem solving will be emphasized throughout the course.

## Algebra

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

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.

## Geometry

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.

## Pre-Calculus

Pre-Calculus builds on the topics studied in Algebra 2 and focuses on trigonometry, with an introduction to combinatorics, probability, and limits. In-depth techniques and applications are used to prepare students for more advanced course work. Technology is used as a facilitating tool to integrate and explore mathematical concepts.

# Music

## Music 101

This semester-long course is designed as a three-part hybrid. Music history, theory, and ensemble will be three focus areas. Students will explore some of the most important and influential repertoires and genres of music. They will formulate a basic understanding of music theory by investigating song structure and basic scales. Students will also work toward: writing a production piece, working on a production piece (chorale piece, quartet, duet, etc.), and/or explore sounds through music experimentation.

## Vocal Performance

Vocal performance is a semester-long course designed for the aspiring singer. Students will learn the anatomy and physiology of the human voice, performance techniques, and voice strengthening techniques to develop power and precision that will help singers avoid vocal injury and fatigue. These techniques will be used to fuel the growth of their performance voice and comfort level for performing. Vocal exercises, song excerpts, and “hero” mirroring will lead students to choose and prepare performance pieces to be shared with a live audience.

## Guitar 101

This semester-long course is designed for students with little to no experience with guitar. It will begin with simple picking techniques, scales, and chords and progress to sight reading notes on all six strings of the guitar, and cover a large variety of musical styles. It will conclude with arranging a contemporary piece of music for a class recital.

## Piano 101

This semester-long course is designed for students with little to no experience with piano. The course will cover basic music theory, chord structures, fingering techniques, and sight reading. It will also focus on learning to operate digital pianos and synthesizers with an introduction to using DAW (Digital Audio Workstation) software. It will conclude with arranging a contemporary piece of music for a class recital.

# Preparatory

## ACT/SAT Test Prep

This semester-long course is recommended for college-bound juniors and seniors planning to take the SAT and/or ACT. Most undergraduate colleges and universities require that prospective students take either the ACT or SAT. Taking this course will prepare students for all of the question types found on the SAT and ACT. Topics include sentence completion and reading comprehension, grammar and essay writing, scientific concepts, and basic and advanced math.

## Mustang Orientation

The semester-long class is a requirement for all incoming freshmen and will cover topics including: YCHS expectations, study skills, researching and writing papers, time management, navigating Google Docs, school email, and YCHS email.

## Senior Seminar

This semester-long course provides seniors an opportunity to develop their required senior project. Instruction will focus on the design, planning, and creation of the senior project. Developing an essential question, applying technology, and organizing tasks necessary to successfully complete the project requirements will be emphasized.

# Science

## Agronomy

This course is designed to provide students with the knowledge and skills necessary for future employment in the agronomy or related industries. Major units of instruction include scientific method, cellular biology, genetics, biotechnology, soil classifications, soil erosion and management, soil fertility, plant classification, plant anatomy and physiology, plant propagation, plant growth, integrated pest management, grain, oil, forage, sugar, and fiber crop production methods, grain quality, grain storage, and grain transportation. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. 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.

*Introduction to Agriculture is suggested*

## Animal Science II

This course is designed to reinforce and extend students understanding of science by associating scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of animal agriculture and specific biological science concepts that govern management decisions in the animal industry. Topics of study are in the areas of growth and development of animals – embryology, ethology, nutrition, immunity systems, and processing animal products – preservation, fermentation, and pasteurization. The course will be valuable preparation for further education and will increase the relevance of science through the applied setting of agriculture by enhancing literacy in science and the scientific process. Improving workplace skills will be a focus. Students will also develop knowledge and skills in the area of aquacultural science and technology. Instructional units in this area include basic studies of aquacultural species; reproduction processes, genetics, nutrition and health in aquacrops; ecological balances; and environmental requirements of animals. Water quality, chemical and temperature analyses will be conducted for a variety of aquacrops. Individual and group experimentation and student research project(s) are required for satisfactory completion

of this course. Careers to be examined include fish hatchery technician, production manager, fish nutritionist, and researcher. 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.

*Prerequisite: Completion of Animal Science I*

## Biology

This course presents an introduction to living organisms, how they function, and how they interact in the biosphere. Included are topics such as: Scientific Method, biochemistry, genetics, evolution, cells (structure, division, and energy usage), ecology and exploration of the various kingdoms (including some dissection).

## Chemistry

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. *\*Dual credit is available with this class but requires an additional fee.*

## Introduction to Agriculture

This course provides an opportunity for students to learn how the agriculture industry is organized; its major components; the economic influence of agriculture at state, national and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, natural resources, agribusiness management, and agricultural mechanics will be presented. Participation in FFA student organized activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

## Health and Wellness

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. Students will learn to base their decisions on topics such as drugs, alcohol, relationships, diet, and exercise upon knowledge of current facts rather than upon hearsay from friends and media. Students will have the opportunity to be certified in CPR and AED through the American Heart Association in order to assist those in need.

## **Social Studies**

### **World Geography**

World Geography is designed to provide students with a basic understanding of and interrelationship between physical and human geography. Course activities include note taking; map labeling, study, analysis, and interpretation; current event assignments; group and individual assignments; research; writing assignments; quizzes and tests.

### **U.S. History and Government**

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.

### **Constitutional Law**

This course is a study of the United States Constitution. The civil rights and liberties established through the Constitution will be analyzed as the class engages in judicial review of landmark cases and the Bill of Rights.

## **Performance Hour**

### **Performance Training**

This physical education class focuses on introducing students to various exercise and training methods to promote overall health and wellness.

### **Advanced Performance Training**

This physical education class focuses on high-level sports specific training for students involved in interscholastic activities at YCHS.

### **Fine Art**

YCHS partners with The Petite Palette art studio in Sandwich to offer a variety of opportunities in fine art. Evening classes may be taken at The Petite Palette and counted as part of the student's Performance Hour credit.

*Fees for the art classes must be paid by the individual families.*

## Chapel Band and Tech Crew

This ensemble will be a student-led initiative to plan and prepare music and production elements for chapel services with staff oversight and guidance. Musical opportunities will range from singing, guitar, piano, bass, drums, percussion, digital music, brass, winds, composition, and arranging. Production opportunities will include a variety of audio, video, and lighting elements.

*Prerequisite: Audition or a teacher recommendation and must have taken or be enrolled in the Music 101. Singers must have taken or be enrolled in Vocal Performance. There is currently no prerequisite to participate as a chapel tech.*

## Practicum: Job Shadow

This Practicum allows for students to be placed with a local YCHS business partner. Students will observe the day to day operation of the business and receive hands-on training in the specific field as well. Students will complete a daily log and weekly reflection piece as well as receive a semester review and evaluation from the cooperating teacher.

## Outdoor Adventure

Utilizing curriculum created by the Outdoor Adventure Foundation, this course encourages participants to personally engage in God's Creation. Students will have the opportunity to learn skills such as archery, fishing, and camping. They will also gain a better understanding of the importance of conservation and ecology. The class will initially meet twice a week, with students participating in activities both in the classroom and outdoors.

# Sport

## Exercise and Sport Nutrition

The essentials of human nutrition will be studied in this dual credit course. The class will examine the metabolic and physiologic basis for macro-nutrient and micro-nutrient recommendations during training, competition/performance, and recovery. Other topics include: body composition and weight management, effect of eating disorders in athletes, and sport nutrition supplements.

## Introduction to Coaching

This dual credit course introduces the major aspects of athletic coaching. Topics include developing a philosophy, different coaching and player personalities, motivation, discipline, communication, self-confidence, team cohesion, outside influences, leadership styles, and cultural diversity. Students in this course will have the opportunity to facilitate Saturday morning sports leagues.

## Sport Management

This dual credit course introduces the sport management profession. The primary focus is on the sport industry, including business and marketing techniques. Students will attain theoretical knowledge and practical skills in preparation for various careers in sport.

## Dual Credit

Students may earn high school and college credit concurrently while enrolled in Dual Credit classes. Currently, Dual Credit is offered exclusively through Waubonsee Community College. Classes are typically taken at Yorkville Christian High School and are taught by YCHS teachers. 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 Credit that is transferrable 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. The additional \$8.00 student fee per credit hour will be paid for by the student. Tuition costs associated with Dual Credit courses taught by Waubonsee Community College staff are the responsibility of the student.

<b>Waubonsee Course Offered as Dual Credit</b>	<b>Semester Hours</b>	<b>YCHS Course Title</b>
COM 100 Fundamentals of Speech Communications	3	Communications
MCM 130 Introduction to Mass Communications	3	Communications
CRJ 100 Introduction to Criminal Justice	3	Criminal Justice & Careers
CRJ 102 Criminal Justice Career Exploration	3	Criminal Justice & Careers
CRJ 120 The American Court System	3	American Court System
PED 204 Introduction to Coaching	3	Introduction to Coaching
PED 235 Survey of the Sports Organization	3	Sport Management
PED 239 Exercise and Sport Nutrition	3	Exercise & Sport Nutrition
CHM 100 Introduction to Chemistry	3	Chemistry
CHM 101 Introduction to Chemistry Lab	1	Chemistry

### Graduation Requirements

The Yorkville Christian High School Founder's 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 for the Class of 2019 and beyond. All numbers are based on an 8 semester graduation plan.

	<b>YCHS Graduation Requirements for the Class of 2019 &amp; beyond</b>	<b>YCHS Recommended College Admissions Course Work</b>
<b>Department</b>	<b>Credits Required</b>	<b>Credits Required</b>
Biblical Studies	4	---
English	4	4
Math*	3	4
Science**	2	4
Social Studies***	2	4
Physical Education	3.5	3.5
Health	.5	.5
Fine Arts	---	2
Foreign Language	---	2
Electives	3	---
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Required Credits	22	---

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

\*\*The completion of this requirement must include one biological and one physical science per ISBE.

\*\*\*The completion of this requirement must include a history of the United States or a combination of the history of the United States and the American government per ISBE.