



NORTHSIDE CHRISTIAN ACADEMY

COURSE CATALOG
High School
2022-2023

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High School Grading Scale

Grading Scale	Regular Grade Point	Honors Grade Point	AP Grade Point
100-99 = A+	4.00	4.50	5.00
98-92 = A	4.00	4.50	5.00
91-90 = A-	3.75	4.25	4.75
89-88 = B+	3.33	3.83	4.33
87-82 = B	3.00	3.50	4.00
81-80 = B-	2.75	3.25	3.75
79-78 = C+	2.33	2.83	3.33
77-72 = C	2.00	2.50	3.00
71-70 = C-	1.75	2.25	2.75
69-68 = D+	1.33	1.83	2.33
67-62 = D	1.00	1.50	2.00
61-60 = D-	0.75	1.25	1.75

Course Sequence Information 2022-2023
Northside Christian Academy

Typical sequences that may be followed in the various subject areas are as follows:

Course	Track	Grade 9	Grade 10	Grade 11	Grade 12
Bible	College Prep or Advanced	Bible Survey	Church History & Doctrine	Apologetics	Worldviews
English	College Prep	English 9	English 10	English 11	English 12
	Advanced	English 9 Honors	English 10 Honors	English Language AP	English Literature AP
Math	College Prep	Algebra 1	Geometry	Algebra 2	AFM or Precalculus Reg
	Advanced 1	Geometry Honors	Algebra 2 Honors	Adv. Functions/Modeling	Precalculus Reg or Hon
	Advanced 2	Geometry Honors	Algebra 2 Honors	Precalculus Reg or Hon	Calculus AP
Science	College Prep	Physical Science	Biology	Science lab elective	Opt. Science elective
	Advanced	Physical Science	Biology Honors	Science lab elective	Science lab elective
Social Studies	College Prep	World Studies	US History 1	US History 2	Government
	Advanced	World Studies	Government	US History AP	History elective
Foreign Language	College Prep	None	None	Spanish I/ASL I	Spanish II/ASL II
	Advanced	None	Spanish I/ASL I	Spanish II/ASL II	Spanish III/ASL III
Health/PE	CP or Adv	Health/PE			
Fine Arts	CP or Adv	1 credit required before graduation			
Electives	CP	1 credit required before graduation			
	Adv	2 credits required before graduation, including one extra year of foreign language or science			

*Effective with the Class of 2024, Finance will be required for all students.

*Effective with the Class of 2024, 25 credits will be needed for the College Prep Diploma and 27 credits will be required for the Advanced College Prep Diploma.

Graduation Requirements

College Prep Diploma

- 25 credits
 - ✓ 4 English, 4 Math, 4 Bible, 4 Social Studies
 - ✓ 3 Science
 - ✓ 2 Foreign Language, 1 Fine Arts, 1 Elective
 - ✓ 1 Finance
 - ✓ 1 PE/Health
- 100 Community Service Hours
 - ✓ Average of 25 per year enrolled at NC

*Beginning with the Class of 2024, Finance will be a graduation requirement.

Graduation Requirements

Advanced College Prep Diploma

- 27 credits – including 2 or more AP courses or a combination of 1 AP plus 2 or more honors courses
 - ✓ 4 English, 4 Math, 4 Bible, 4 Social Studies
 - ✓ 3 Science
 - ✓ 2 Foreign Language, 1 Fine Arts, 1 Elective
 - ✓ 1 Finance
 - ✓ 1 PE/Health
 - ✓ 3 Electives (including extra Science or Foreign Lang)
- 150 Community Service Hours (37.5 per year at NCA)

*Beginning with the Class of 2024, Finance will be a graduation requirement.

Graduation Requirements

Competency Test

Students must earn a **minimum** combined score of 800 on the reading and math portions of the SAT or a composite score of 17 on the ACT.

PSAT 8/9 - Fall of 9th grade year

PSAT/NMSQT - Fall of 10th and 11th grade years

SAT - Spring of 11th grade and fall of 12th grade

ACT - Spring of 11th grade and fall of 12th grade

Graduation-Required Curriculum Tracks

There are 2 different curriculum tracks in our high school. These tracks are designed to meet the academic needs of students of varied learning abilities and performance levels.

- **College Preparatory Track**

Students in the college prep track meet requirements in core courses, fine arts and electives. These students work for above average SAT scores, good grades, good class rank, and are involved in extracurricular as well as community service activities. Students in the college preparatory track meet or exceed entrance requirements for colleges in the NC system. They may take some honors or AP courses, but not as many as students in the advanced track.

- **Advanced College Preparatory Track**

Students in this track take the most rigorous and demanding courses to prepare them for acceptance at selective colleges. The students in the advanced track build their transcripts with several honors and Advanced Placement courses and typically exceed the minimum credits required in math, science, and foreign language. A minimum of one AP course and two honors courses are required as well as an additional year of science or foreign language. They work to achieve high SAT scores, excellent grades, high class rank, and are involved in extracurricular as well as community service activities. Students in this track must accrue 150 hours of community service in grades 9-12. Additionally, they may not have any F's and must have a GPA of 3.0 or higher.

Graduation Requirements-General

Before a student can graduate from NCA, the following guidelines apply:

- 1) The student has earned at least 25 credits.
- 2) The final semester is completed at NCA.
- 3) The student has successfully completed all required courses.
- 4) The student has achieved at least a minimum score on the competency test.
- 5) The student has accrued 100 hours or more of community service in grades 9-12 (25 per year).

Graduation Requirements-Specific

Before a student can graduate from NCA, the following courses must be successfully completed.

Courses	Credits
Bible (1 unit per year of attendance at NCA)	4 credits
English	4 credits
Foreign Language (same language)	2 credits
Mathematics	4 credits
Science (1 biological, 1 physical, 1 laboratory)	3 credits
Social Studies (US History I &II, Govt./Eco. World Studies)	4 credits
PE/Health	1 credit
Fine Arts Elective	1 credit
Personal Finance	1 credit
(required beginning with the class of 2024)	
*Electives	1 credit

*May include any additional courses such as math, science, etc. beyond the core requirements, as well as general electives.

Competency Test

North Carolina Law requires a student to pass a competency test before graduation. The law allows each school to choose the test and to set the minimum score. NCA, therefore, will require all juniors to take the nationally recognized SAT or ACT. If a student does not achieve NCA's minimum required score (a composite score 800 on critical reading and math on the SAT or 17 on the ACT), he may retake it several times the senior year. Students must register directly on the College Board or ACT website and there is a fee for the test. Any new student enrolling as a senior must have previously met the minimum competency score.

Community Service

All students must accrue a minimum of 100 hours of community service in grades 9-12 (25 per year). Students in the Advanced College Preparatory track must accrue a minimum of 150 community service hours. Students who accrue a minimum of 250 hours receive recognition at Graduation.

Senior High Course Offerings

Subject	Unit	Subject	Unit
<u>BIBLE</u>		<u>FOREIGN LANGUAGE</u>	
Bible Foundations	1	Spanish I	1
Bible Survey	1	Spanish II	1
Church History & Doctrine	1	Spanish III	1
Apologetics	1	Spanish IV Honors	1
Worldviews	1	ASL I	1
		ASL II	1
		ASL III	1
<u>TECHNOLOGY ELECTIVES</u>		<u>MATHEMATICS</u>	
A/V Tech & Tech Apps	1	Algebra I	1
		Geometry	1
<u>GENERAL ELECTIVES</u>		Geometry Honors	1
Life Skills	1	Algebra II	1
Intro to Psychology	1	Advance Functions & Modeling	1
Creative Writing	1	Algebra II Honors	1
Finance	1	Honors Pre-calculus	1
		AP Calculus	1
<u>ENGLISH</u>		<u>PHYSICAL EDUCATION</u>	
English 9	1	Health	.5
English 9 Honors	1	PE	.5
English 10	1	Dance	.5
English 10 Honors	1		
English 11	1	<u>SCIENCE</u>	
English 11 Honors	1	Physical Science	1
English 12	1	Biology I	1
AP English Literature	1	Chemistry	1
AP English Language	1	AP Biology	1
<u>FINE ARTS</u>		<u>SOCIAL STUDIES</u>	
Choir	1	Government/Economics	1
Art 1	1	U.S. History I	1
Advanced Art	1	U.S History II	1
Dance	1	AP U.S. History	1
Yearbook	1	World Studies	1
Band	1	Modern American History	1
Praise & Worship	1		

Graduation Requirements

(Classes of 2023, 2024, 2025, 2026)

Students are required to complete a full academic load each year they are enrolled at Northside Christian Academy.

Mathematics

Students must complete at least four credits of math which must include Algebra I, Algebra II, Geometry, and one course beyond Algebra II.

English

Students must complete one credit of English each year enrolled.

Foreign Language

Students may meet the foreign language requirement by taking two years of the same language. Selective colleges require three years of the same language.

Finance

Beginning with the class of 2024, students must take Finance.

Bible

Students must take a Bible class each year enrolled at Northside Christian Academy.

Social Studies

Students must complete at least four credits which include: World Studies; Government & Economics; US History I; US History II; US History Advanced Placement; Modern American History

Fine Arts

Students must complete one credit of a fine arts elective.

Science

Students must complete at least three credits which must include: Physical Science; Biology/ Biology Honors; Chemistry/Chemistry Honors, Human Anatomy & Physiology, or Biology Advanced Placement. It is recommended that students take a fourth year of science.

Physical Education

All students must take .5 credit of physical education. PE or Dance

Health Education

All students must take .5 credit for health education.

Electives

All students must complete one additional elective credit.

High School Courses

Bible Courses

Course Title: Bible Foundations

Description: This class covers the foundations of Christian faith principles found in Scripture from Genesis to Revelation. Topics included are: characteristics of God, who God is, who Jesus is, what the Bible is, what sin is. The Old Testament sacrificial system, records from individual O.T. Bible books, The role of prophets, priests, and judges in redemptive history, the Gospels, sin, salvation, Paul's epistles will be covered.

Course Title: Bible 9 - Bible Survey

Description: This class is a survey of the Bible. Both Old and New Testaments will be covered. Books will be studied individually and by division. The unifying theme of Jesus Christ will be emphasized. Primary storylines, themes, people, and events will be highlighted.

Course Title: Bible 10 - Church History and Doctrine

Description: The purpose of this course is to examine the growth and development of the Early Church. Emphasis will be placed on the impact Believers made on the world, and the doctrines and beliefs for which they were willing to die. The books of Acts of the Apostles, Romans, and additional Epistles will be studied in detail.

Course Title: Bible 11 - Apologetics and Ethics

Description: This course requires the student to use a 12-point apologetic argument to logically prove truth exists, a theistic God exists, Jesus was God in human form, and the Bible is the Word of God. Evidence supporting each point will be examined. This defense of the core doctrines of Biblical Christianity (pre-evangelism), will be followed by a unit on evangelism. The Ethics unit will allow the students to research current issues with Biblical answers.

Course Title: Bible 12 - Worldviews

Description: The purpose of this class is to develop the theme that ideas have consequences. It will define, analyze and contrast the major world views: Secular Humanism, Marxist-Leninism, Cosmic Humanism (New Age), Islam and Biblical

Christianity. This examination includes a study of historical people and events, current trends, themes in society, and what the Bible says about those issues. It will challenge the student to develop a philosophy or worldview that is consistent with Scripture, beginning with origins.

English Courses

Course Title: English 9

Description: This class focuses on expanding the literary skills of the students through extensive reading and writing. Recognizing and evaluating literary terms and technique will be achieved through the study of various literary genres including fiction and poetry. Students' writing skills will be challenged through literary analysis, expository writing, research, and creative writing. Students will also exhibit mastery of the eight parts of speech, sentence structure, and punctuation.

Course Title: English 9 Honors

Description: This class focuses on expanding the literary skills of the students through extensive reading and writing. Recognizing and evaluating literary terms and technique will be achieved through the study of various literary genres including fiction and poetry. Students' writing skills will be challenged through literary analysis, expository writing, research, and creative writing. Students will exhibit mastery of the 5-paragraph essay and will demonstrate mastery of critical thinking and will demonstrate the ability to formulate and defend an argument.

Course Title: English 10

Description: English 10 focuses on expanding the literary skills of the students through extensive reading and writing. Recognizing and evaluating literary terms and technique will be achieved through the study of various literary genres including non-fiction and fiction. The students will develop their creative writing skills as they write short stories, poetry, and personal essays. They will also exhibit mastery of the English language, including punctuation, capitalization, and various sentence structures.

Course Title: English 10 Honors

Description: This class focuses on expanding the literary and writing skills of the students. Recognizing and evaluating literary terms and technique will be achieved through the study of both fiction and non-fiction. Students will do extensive writing and will display the ability to analyze and critique literature and the ability to write high quality fiction and non-fiction.

Course Title: English 11

Description: English 11 focuses on expanding the students' knowledge of American literature and expanding the students' ability to write argumentative and persuasive essays, as well as research reports. Extensive reading will include the classics as well as modern literature. Students will demonstrate mastery of the MLA method of writing and will follow the proper stages of writing, including planning, drafting, revising, and publishing.

Course Title: English 11 Honors

Description: English 11 Honors focuses on expanding the students' knowledge of American literature and on expanding the students' ability to write argumentative and persuasive essays. Extensive reading will include both classical and modern literature. Students will master the formal argument as well as literary criticism. Students will also practice incorporating a Biblical worldview in their writings.

Course Title: English 12

Description: English 12 focuses on expanding the students' knowledge of English literature and expanding the students' ability to write formal arguments, literary critiques, and essays. Extensive reading will include the classics as well as modern literature. Students will demonstrate mastery of the MLA method of writing and will follow the proper stages of writing, including planning, drafting, revising, and publishing.

Course Title: English 12 Honors

Description: This class focuses on English literature and extensive critical writing. The students will master the meaning of literary devices and be able to supply examples of each device through usage of classic literature as well as original works. Students will write formal arguments, literary critiques, and personal essays. They will also gain an appreciation for all types of poetry and fiction and create an anthology of original poetry and prose.

Course Title: AP English Language and Composition

Description: This class will challenge the student to improve their writing technique as they consider their purpose, their audience, and their topic. The students will also respond to a variety of genres of literature, increase their knowledge of literary rhetoric and prepare for the AP exam.

Course Title: AP English Literature and Composition

Description: This class is designed and taught thematically with an emphasis on core readings along with modern and contemporary selections that illuminate and expand upon a variety of themes. Each week students discuss and engage in a variety of writing activities focusing on argumentation, interpretation, analysis, rhetorical strategies, exposition, structure, and style. Students read and study a variety of novels, plays, poems, and short stories from the 16th century to the present. The course focuses on the experience of literature, the interpretation of literature, the evaluation of literature, and writing to develop stylistic maturity and sophistication. Students practice their writing via numerous timed essays, which are revised several times, as well as longer essays that require outside research and MLA formatting.

Social Studies Courses

Course Title: World History

Description: A one-year study of world events taught with a Biblical perspective from the Creation of the world to the events of the present, including current event happenings. The "whys" and results of world events will be explored. Geography and cultural awareness is an important part of this course for enhancement of the student's knowledge of God's World. The history department recommends students should take this course in 9th or 10th grade.

Course Title: Modern American History

Description: This is a year long study of themes from modern American History. The themes include: World War 2, The Cold War, Civil Rights, the 1960s, Culture (Fads, Technology, Education and Religion), of the decades 1940-2010, Terrorism, and a study of the presidents and vice-presidents. The students will research the lives of holocaust victims, civil rights leaders, people who made the news, and first ladies/second ladies.

Course Title: Government/Economics

Description: This is a year long study of the United States government, with a special emphasis on the Constitution. The course includes a study of the following: What makes the USA great?; the British Influence on the United States government; the Constitution (the majority of the course); North Carolina government; economics. The class emphasizes how our framing fathers incorporated God throughout the Constitution. Students research the men of the Declaration of Independence, the men of the Constitution, presidents, and states.

Course Title: Advanced Placement United States History

Description: This course is a study of United States History from exploration to the present. This is a college level class, therefore the work is advanced and intense. Much reading is required and students are often left to "dig out" information on their own. Class discussion is a big part of the class. Writing is also a part of this class. Students learn how to write Document Based Questions, Long Essays and Short Essays as an integral part of the AP experience and in preparation for the AP exam. Students are required to take the AP US History exam in May, which may result in their earning college credit for United States History. This course is offered to juniors and seniors.

Prerequisites: World Studies and Government/Economics.

Course Title: United States History 1

Description: This is a one year study of the United States from colonization through the Civil War. Through this course, students see the hand of God working to form our nation. The course is referred to as “His Story.” The “whys” and events that shaped our nation will be explored. Students study each state as it becomes part of the nation. Research is done in regard to Americans who made a huge impact on the nation; special events that shaped the nation; and state maps.

Course Title: United States History 2

Description: This is a one year study of the United States from Reconstruction (post Civil War) to the present. Through this course, students see the hand of God working as our nation continues to form. The course is referred to as “His Story.” The “whys” and events that shaped and continue to shape our nation will be explored. Students study each state as it becomes part of the nation. Research is done in regard to Americans who made a huge impact on the nation; special events that shaped the nation; and state maps.

Science Courses

Course Title: Biology

Description: This course is an introduction to the study of life sciences with an emphasis on emergent properties of life from atoms to cells to organisms. Topics include: evolution, Creation, diversity of life and taxonomy, molecular structure, cells, and energetics, genetics, and plant and animal structure and function. Students are required to participate in dissections and other topic-related laboratory activities as well as quarterly projects. Laboratory and instructional activities are a component of the course with occasional lab reports as well as other research projects throughout the year.

Course Title: AP Biology

Description: This course is about advanced topics of biology with an emphasis on discussions about life from atoms to cells to organisms. Students will take practice tests to prepare for the Advanced Placement Biology Test. Topics include: evolution, Creation, diversity of life and taxonomy, molecular structure, cells, and energetics, genetics, and plant and animal structure and function. Students are required to participate in dissections and other topic-related laboratory activities as well as quarterly projects. Laboratory and instructional activities are a component of the course with occasional lab reports as well as other research projects throughout the year.

Course Title: Physical Science

Description: This course provides a study of basic concepts of physics, chemistry, astronomy, geology and their interrelation in the physical world. Topics include: Matter, Atoms, Electricity, and Earth Science. Students are required to do experiments and other topic-related laboratory activities as well as quarterly projects. Laboratory and instructional activities are a component of the course with occasional lab reports as well as other research projects throughout the year.

Course Title: Chemistry

Description: The course provides a study of matter and energy. Topics include measurement, atom, periodic trends, mole, chemical equations, stoichiometry, gas laws, acids, and bases, and electrochemistry. Students are required to do experiments as well as quarterly projects. Laboratory and instructional activities are a component of the course with occasional lab reports as well as other research projects throughout the year.

Course Title: Forensic Science

Description: This course provides a study of techniques behind the work of forensic scientists and will be illustrated with numerous case studies from the USA and around the world. Some questions which we will attempt to address include How did forensics come about? What methods are used to investigate crime? How do you analyze blood stains? How do you analyze handwriting samples? Laboratory and instructional activities are a component of the course with occasional lab reports as well as other research projects throughout the year.

Course Title: Human Anatomy & Physiology

Description: The course is designed as an introductory course to the human body. The goal is to integrate the study of the structures of the human body with their functions. This course uses a systematic approach by studying each of 9 -10 systems of the human body. Students will also be able to correlate information about the various systems with their relationships to each other. This is a lab course with significant dissections. This course is one option that meets the graduation requirement of a third science course.

Mathematics Courses

Course Title: Algebra I

Description: This course will build students a foundation for continued studies in mathematics and the sciences. The topics covered include solving equations, graphing, fractions, functions, inequalities, rational and irrational numbers, exponential and quadratic equations.

Course Title: Geometry

Description: This is a college-prep course. It is required for admission by most colleges and is tested extensively on college entrance exams. Therefore, students who plan on going to college, and only those students, should take geometry. Students will learn basic terms and fundamental relationships with an emphasis on problem solving. Proofs will be studied but not emphasized. Topics covered include properties and definitions of points, lines, planes, angles, parallel lines and planes, congruent, similar and right triangles, congruent and similar polygons, circles and areas of plane figures. Students will use a compass and ruler to do geometric constructions and a protractor to measure angles. A scientific calculator is required. Prerequisite: Algebra I

Course Title: Honors Geometry

Description: This course is for the more capable math student. A strong emphasis is placed on problem solving and proofs. It will cover the same topics covered in Geometry, but in more detail, depth and rigor as a preparation for higher-level mathematics. Additional topics include areas and volumes of solids and coordinate geometry. Prerequisite: Algebra I

Course Title: Algebra II

Description: This college-prep course reviews and builds on topics covered in Algebra I. Topics include solving linear and quadratic equations and linear inequalities, graphing techniques, factoring, systems of equations, polynomial functions, exponential functions, rational functions, and trigonometric functions. Prerequisite: Algebra I

Course Title: Honors Algebra II

Description: This course is for the serious math student preparing for higher-level mathematics. In addition to material covered in standard Algebra II, students will learn extra methods for factoring and solving. They will also cover graphing compound inequalities and matrices. Prerequisite: Algebra I

Course Title: Advanced Functions & Modeling

Description: This college-prep course reviews the topics of Algebra 2 and continues the study of advanced algebra concepts including linear and polynomial equations, rational functions, exponential and logarithmic functions, trigonometric functions, vectors, and matrices. Prerequisite: Algebra II

Course Title: Precalculus

Description: This college-prep course deepens the understanding of concepts learned in Algebra II. Topics include linear and polynomial functions, linear and quadratic modeling, rational functions, exponential and logarithmic functions, trigonometric functions, vectors, and matrices. Prerequisite: Algebra II

Course Title: Honors Precalculus

Description: This course is a preparation for college mathematics. In addition to curriculum covered in standard Precalculus, students will dive deeper into topics such as piecewise functions, word problems involving polynomial equations, sequences, and series. Prerequisites: Honors Algebra II or Algebra II

Course Title: AP Calculus AB

Description: This course serves as an introductory course in calculus. First semester deals with concepts of limits, differentiation, and related rates. Second semester covers integration, area, and volume. Students will take the AP Calculus Exam in May to attempt to earn college credit. Prerequisite: Honors Pre-calculus

Foreign Language Courses

Course Title: Spanish I

Description: This class introduces the student to the Spanish language and culture. Throughout the year, students will increase vocabulary, conjugate verbs in the present and preterite tenses, and be able to write and speak about various topics including food, home, school, and transportation. The student will also prepare a project for the annual Cultural Fair.

Course Title: Spanish II

Description: Students in this course will continue their study of the Spanish language and the culture. They will increase their vocabulary as well as learn new verb tenses which will open up their communication skills, both oral and written. Students are required to participate in the annual Cultural Fair

Course Title: Spanish III

Description: This course is an intensive study of the Spanish language created to develop the student's skills in listening, speaking, reading and writing. Students complete in-depth vocabulary studies, present oral and written reports and projects as well as participate in the annual Cultural Fair.

Course Title: Spanish IV Honors

Description: The student will continue to increase proficiency in this literature based program. Opportunity is also given to practice speaking skills by communicating with native-speakers. The student will participate in the annual Cultural Fair.

Course Title: American Sign Language I (ASL I)

Description: Class will focus on learning the alphabets, numbers, colors, finger spelling, basic signs, grammar and the glossing system, 5 parameters, measures of time, question words, religious signs, prayers from the Bible and ASL worship. Class will introduce deaf culture and a variety of other topics.

Course Title: American Sign Language II (ASL II)

Description: Class will focus on additional vocabulary and dialogue/conversational skills. Watch signing programs and documentaries. Be expected to converse with teacher and classmates without the use of their voice during some activities. Follow and give simple directions, recognize basic non-manual markers. Students will present brief, rehearsed material in the target language such as dialogue and skits. Students will build a knowledge base of religious signs, prayers from the Bible and ASL worship. Students will continue to learn about deaf culture and a variety of other topics.

Course Title: American Sign Language III (ASL III)

Description: Class will focus on the correct production of signs, increase receptive skills, build vocabulary, and begin interpreting dialogue. Students will comprehend and express oneself with beginning and intermediate ASL vocabulary. Students will interact without the use of their voice in some activities. Students will demonstrate their knowledge of ASL. Students will build a knowledge base of religious signs, prayers from the Bible and ASL worship. Students will demonstrate an understanding deaf culture and learn a variety of other topics.

Technology Courses

Course Title: A/V Tech

Description: This class will be an opportunity for students to learn about the Audio and Visual elements that are used for live event productions, and content creation. Students will develop skills that will help them understand how to plan and execute an event, and how to troubleshoot a problem. The student will also learn the basics of content creation by working through the basics of music and video production.

Course Title: Tech Applications

Description: This course is an introduction to many of the applications that will be used in the professional environment. The student will become familiar with all of the applications in Google Suite, and Microsoft Office, while increasing their typing skills.

PE/Health

Course Title: Physical Education

Description: This is a one-semester course which is designed to develop individual skills and formulate a team understanding as it relates to sports. Locomotor skills, balance, agility and coordination skills are developed so that one will be able to participate in baseball, soccer , basketball, volleyball and track and field.

Course Title: Health

Description: This is a one-semester course that addresses health from a Christian perspective. Areas of study include Stress and Anxiety, Life management and Mental health. Understanding that we are made in his image.

Course Title: Wellness

Description: The goal of this course is to help students understand themselves better and observe the need for perspective both internally and externally. Students will look at three aspects of self-Awareness: self-assessment, self-esteem, change factors. Through understanding themselves and the process of self-awareness students will gain a better self-understanding and will overall improve perspective and perception.

Fine Arts Courses

Course Title: Art 1

Description: In this full year course students will cover the basic elements of art and the principles of design, the basic language of the artist. The student will practice these elements in a series of art projects geared towards each element or principle. The second semester students will take the knowledge earned in the first semester and showcase them in original artwork with a theme. The use of Charcoal, pencil, pen & ink, collage, cut paper design, watercolor, tempera paint, pastels, the use of different surfaces (paper, cardboard, etc.). will be incorporated.

Course Title: Art 2,3,4

Description:Continued refinement of skills learned in the Art I course.

Course Title: Speech

Description: This class focuses on developing public speaking and listening skills of the students. Students will present presentations before their peers including a demonstration speech, informative speech, persuasive speech, and dramatic readings. Students will work in small groups to present television news and to participate in debates.

Course Title: Yearbook

Description: This course produces *Prism*, Northside Christian Academy's yearbook. The course is designed to develop students' skills in yearbook production by providing experiences in selected aspects of yearbook production. Students are tasked with producing a timeless, creative, and innovative publication which will record our school's community, memories and events. Students learn basic principles of yearbook production and develop skills that include page design, publishing techniques, copywriting, editing, photography, record keeping, time management, teamwork, marketing, and leadership skills. The Yearbook Production supports student's development as writers, photographers, editors, independent users of technology and as responsible contributing members of NCA. The school yearbook will be completed by March. Students are expected to serve at least two years on the staff of the Prism, the school yearbook.

Course Title: Choir

Description: Those students who register for choir perform from both a sacred and secular repertoire. Musical knowledge of expressions and the mechanics behind the technique of proper singing will be taught to enhance musicianship and performance. Various programs and activities will be included and students may have opportunities for choir tours, competitions, etc.

Course Title: Drama/Dance

Description: This course is designed to give students an introduction to drama and dance. Skills like rhythm, counting, basic jazz and modern steps will be taught in the dance portion of the class to enhance dance and musical skill. The drama portion of the class will work through reading plays and learning skills to develop characters in a theatrical setting.

Course Title: Drama

Description: This course introduces students to the theatrical arts. We emphasize creativity, collaboration, and perseverance. Areas covered in depth include: theater vocabulary, roles in the theater, movement, acting, the reading of plays, theater design and tech, and viewing theater performances. Students will be creating projects throughout the year in groups just as they would encounter in the professional theater world.

Course Title: Dance

Description: Dance is an elective course designed to allow students to learn about a variety of dance genres from around the world and will provide opportunities for students to practice various dance skills and techniques. This class can count toward a Physical Education credit or a Fine Arts Credit and is open to all students and abilities.

Course Title: Praise & Worship

Description: Praise and Worship Band membership is available by audition to students who sing or to students who play acoustic/electric guitar, electric bass, keyboard, or drums. The group's purpose is to serve the school community by leading worship in chapels and for special events. Students will develop musical excellence in their chosen discipline, expand their repertoire and knowledge of contemporary worship songs, and gain an understanding of how to minister with their God-given talent. Students interested in auditioning for guitar and keyboard need to be familiar with and have a prior understanding of chords. Instrumental and vocal auditions will be open based on the need for the following year. As a leadership component of the school, musicianship, as well as teacher and character recommendations, will be evaluated for possible placement. This course will count towards the fine arts requirement for graduation.

Course Description: Band

Description: This course is designed to give the student an enriching and diverse instrumental music education. This class provides a number of performance opportunities for the student in a variety of settings. The daily objective of the course is to foster and promote musical growth through the playing of an instrument by the student. As a member of the band program, group effort and cooperation is necessary to a successful program. Band is a skilled effort in which each student is expected to show technical and musical growth throughout this course. A \$50 instrument rental fee is required for those students that will need an instrument from NCA.

Middle School Concert Band is a performing ensemble made up of students who are either continuing their musical study from the elementary level, beginning musical study on a new instrument, or are playing an instrument for the first time. This course is designed to give the student an enriching and diverse instrumental music education. This class provides a number of performance opportunities for the student in a variety of settings. The daily objective of the course is to foster and promote musical growth through the playing of an instrument by the student. As a member of the band program, group effort and cooperation is necessary to a successful program. Band is a skilled effort in which each student is expected to show technical and musical growth throughout this course. A \$50 instrument rental fee is required for those students that will need an instrument from NCA.

Elective Courses

Course Title: Creative Writing

Description: This course is designed to give students an introduction to various writing styles. They practice through independent and collaborative projects.

Course Title: Life Skills

Description: In Life Skills, the student will be introduced to the basics of cooking, finance, interviewing and job skills, automotive maintenance, self-defense and more.

Course Title: Introduction to Psychology (I-PSYCH)

Description: An introduction to psychological terms, facts and principles designed to aid the student in understanding individual behavior. Behavior is analyzed and interpreted through activities and discussions of such topics as motivation, emotion, perception, learning, and intelligence.

This course is designed to provide a broad overview of the field of Psychology. Special attention will be given to helping the student become a better thinker, by learning to take charge of ideas one has about psychology. The goal of this course is to think consciously, deliberately and skillfully about human behavior. Topics such as physiological psychology, perception, learning, cognition, emotions, health psychology, psychological disorders, as well as others are included.

This course will introduce you to the fundamental principles of psychology and to the major subjects of psychological inquiry. It has been designed to not only provide you with the tools necessary for the study of psychology but to present you with a sampling of the major areas of psychology research. The course begins with a short overview of how psychology developed as an academic discipline and an introduction to a number of the principal methodologies most commonly deployed in its study. The subsequent units are arranged around broad areas of research, including emotion, development, memory, and psychopathology. We will focus on well-substantiated research and current trends within each of these categories.

Course Title: Personal Finance

Description: In this course, students will learn everything they need to know in regards to practical financial skills. Students will engage in a variety of different types of activities that are designed to focus on providing 21st century personal finance knowledge and skills in a student-centered, competency-based approach to learning. This course will help students be successful in their personal finances as they move throughout and beyond their high school career.

*Note: Required for graduation (beginning with the class of 2024)

The ROC

The ROC is located on Northside's campus. The classes are offered at no-cost, and are skills training courses geared towards a hands-on learner interested in a career in construction technology. Students begin with a foundational course in construction site safety, including obtaining an OSHA-10 card. The second course, which is taken during the student's second semester, is the first in a specialty in electrical technology or HVAC (carpentry may be added).

The ROC classes are based on students obtaining a national short-term certification.

1st course: NCCER Core is a prerequisite to all other Level 1 craft curriculum:

These modules cover topics such as Basic Safety, Communication Skills and Introduction to Construction Drawings. Completing this curriculum gives the trainee the basic skills needed to continue education in electrical technology or HVAC. Students will also earn their OSHA-10 card through this course.

2nd course: Electrical I or HVAC I:

- Electrical 1- Key content includes: Orientation to the Electrical Trade, Electrical Safety, Introduction to Electrical Circuits, Electrical Theory, Introduction to the National Electrical Code, Device Boxes, Hand Bending, Raceways and Fittings, Conductors and Cables, Basic Electrical Construction Drawings, Residential Electrical Services, and Electrical Test Equipment.
- HVAC 1- Key content includes: Introduction to HVAC, Trade Mathematics, Basic Electricity, Introduction to Heating, Introduction to Cooling, Introduction to Air Distribution Systems, Basic Copper and Plastic Piping Practices, Soldering and Brazing, and Basic Carbon Steel Piping Practices.

3rd course: Electrical II or HVAC II:

- Electrical II: Students study concepts such as: Alternating Current, Motors: Theory and Application, Electric Lighting, Conduit Bending, Pull and Junction Boxes, Conductor Installations, Cable Tray, Conductor Terminations and Splices, Grounding and Bonding, Circuit Breakers and Fuses, Control Systems and Fundamental Concepts.
- HVAC II: Students study concepts such as: Alternating Current, Compressors, Refrigerants and Oils, Leak Detection Evacuation Recovery and Charging, Metering Devices, Heat Pumps, Basic Maintenance, Chimneys Vents and Flues, Sheet Metal Duct Systems, Fiberglass and Fabric Duct Systems, Commercial Airside Systems, Air quality Equipment, and Introduction to Hydronic Systems.

4th course: Electrical III or HVAC III:

- Electrical III: students study concepts such as: Load Calculations — Branch and Feeder Circuits, Conductor Selection and Calculations, Practical Applications of Lighting, Hazardous Locations, Overcurrent Protection, Distribution Equipment, Transformers, Commercial Electrical Services, Motor Calculations, Voice, Data, and Video, and Motor Controls.
- HVAC III: Students study concepts such as fasteners, Hardware and Wiring Terminations, Control Circuit and Motor Troubleshooting, Troubleshooting Cooling, Troubleshooting Heat Pumps, Troubleshooting Gas Heating, Troubleshooting Oil Heating, Troubleshooting Accessories, Zoning, Ductless, and Variable Refrigerant Flow Systems, Commercial Hydronic Systems, Steam Systems, Retail Refrigeration Systems, and Customer Relations.

ROC classes may lead to paid summer internships, full-time apprenticeship programs, or direct job placement after high school.