

course descriptions

Tri-City Christian Academy

Grades 7-12

BIBLE

Four credits of Bible are required.

ENGLISH

Four credits of English are required.

FINE ARTS

One performing arts class is required (Art, Band, Choir, Drama, Speech).

MATHEMATICS

Four credits of math are required (Algebra 1, Algebra 2, Geometry, and an additional math course).

PHYSICAL EDUCATION

One year of physical education is required.

SCIENCE

Three credits of lab science are required. Two of these must be Biology and Chemistry.

SOCIAL STUDIES

Three credits of social studies are required (History of Civilization, US History, and Government/Economics).

FOREIGN LANGUAGE

One credit of a foreign language is required. Two credits of the same foreign language is suggested to meet college admission.

ELECTIVES

A minimum of six electives are required. Academic electives are strongly recommended for all college bound students.

CREDITS REQUIRED FOR GRADUATING SENIORS:

Students attending TCA all four years will have 28 credits at graduation.



BIBLE

One year of Bible is required for each year of attendance at TCA.

BIB 078: Bible 7-8 Girls PREREQUISITES: NONE	1 YEAR	NO CREDIT
BIB 078: Bible 7-8 Boys PREREQUISITES: NONE	1 YEAR	NO CREDIT
BIB 091: Bible 9-10 Girls PREREQUISITES: NONE	1 YEAR	1 CREDIT
BIB 091: Bible 9-10 Girls PREREQUISITES: NONE	1 YEAR	1 CREDIT
BIB INTR: INTERNATIONAL BIBLE PREREQUISITES: NONE This course is designed for the first year international student in grades 7th-12th. It gives an overview of the Bible in order to give students a solid foundation for later courses.	1 YEAR	1 CREDIT
BIB 11: Junior Bible PREREQUISITES: NONE	1 YEAR	1 CREDIT
BIB 12: Senior Bible PREREQUISITES: NONE	1 YEAR	1 CREDIT
BIB299: WORLD RELIGIONS DUAL ENROLLMENT 3 COLLEGE CREDITS PREREQUISITES: NONE This course examines the major world religions and ideologies in order to understand their principle doctrines and practices and the subsequent implications for Christian witness. Special attention is given to Folk Religion (Animism), Islam, Hinduism/New Age, Secularism, and Mormonism.	1 SEMESTER	0.5 CREDIT

COMPUTERS

CIS011: COMPUTER SCIENCE I

1 YEAR

0.5 CREDIT

PREREQUISITES: NONE

Students learn the parts of a computer and how they work, build a PC from components, and learn how computers were invented. Students create projects using current Office applications including Microsoft Word, Microsoft Excel, and Microsoft Powerpoint. Students without the ability to touch-type learn how to type rapidly without looking at the keyboard. Students also study underlying computer concepts such as the binary and hexadecimal number systems and logic gates, and create simple digital circuits in hands-on labs. Students learn to use the Internet for researching a topic, and are exposed to various multimedia programs.

CIS012: COMPUTER SCIENCE II (ELECTIVE)

1 YEAR

0.5 CREDIT

PREREQUISITES: COMPUTER SCIENCE I

Students review the Office applications used in Computer I, learn desktop publishing using Microsoft Publisher, create and edit digital videos, and study databases using Microsoft Access. Students study robotics using micro-controllers and learn basic computer programming, which is applied in a real-world project such as a weather balloon launch. Students also study digital photo editing a variety of programs, World Wide Web page design, project management, and networking fundamentals.

ENGLISH

Four credits of English are required for a TCA diploma.

ENG007: ENGLISH 7

1 YEAR

NO CREDIT

PREREQUISITES: NONE

Writing & Grammar 7 presents clear instruction in writing and grammar, including an overview of the Writing Process and many focused writing activities. The seventh-grade English curriculum covers all eight parts of speech, the five basic sentence patterns, usage concepts such as agreement, and mechanics. Adjective clauses and complex sentences are also introduced. Writing projects include a biographical sketch, an in-class essay, a letter to the editor, and a book report.

Explorations in Literature offers a diverse compilation of stories, poems, and essays from a variety of authors and genres grouped by theme to develop critical thinking skills. Vocabulary glosses explain unfamiliar words within the literature selections. Thinking Zone pages throughout the book ask questions to encourage the student to think about literature on at least four levels: comprehension, interpretation, analysis, and appreciation.

ENG008: ENGLISH 8

1 YEAR

NO CREDIT

PREREQUISITES: NONE

Writing & Grammar 8 presents clear instruction in writing and grammar, including an overview of the writing process and many focused writing activities. *Writing & Grammar 8* reviews the eight parts of speech, five basic sentence patterns, usage, and mechanics, and discusses grammar elements such as participles, gerunds, and infinitives. Writing projects include a news report, a character profile, a short fable, and an in-class essay.

Excursions in Literature provides a rich collection of literature selections to help students gain an appreciation and understanding of literary techniques as they study a variety of genres of literature from a range of cultures. Students are encouraged to develop and apply critical thinking skills as they analyze the literature pieces in light of a Christian worldview.

ENG009: ENGLISH 9	1 YEAR	1 CREDIT
PREREQUISITES: NONE		
<p><i>Writing & Grammar 9</i> reviews the eight parts of speech, five basic sentence patterns, usage, and mechanics. The 9th-grade English curriculum introduces relative pronouns, pronoun reference problems, and indicative/imperative mood. Dictionary skills, library skills, study skills, and the writing process are exercised and implemented throughout the course. Writing projects include a comparison/contrast paragraph, a personal narrative, a research essay, a personal response to literature.</p> <p><i>Fundamentals of Literature</i> teaches the student to be a discerning reader by focusing on the fundamentals of literature—conflict, character, theme, structure, point of view, and moral tone. The student studies contemporary and classic American, British, and world authors in four genres: fiction, nonfiction, poetry, and drama. Critical thinking skills are encouraged throughout the text through discussion questions. Concepts and literary works are analyzed using scriptural applications.</p>		
ENG010: ENGLISH 10	1 YEAR	1 CREDIT
PREREQUISITES: ENGLISH 9		
<p><i>Writing & Grammar 10</i> teaches the eight parts of speech, verbal phrases, clauses, usage, and mechanics of English grammar. The English curriculum also reviews the five basic sentence patterns. Reference chapters include library skills and test-taking strategies. The textbook guides students through the writing process and teaches effective writing strategies.</p> <p><i>Elements of Literature</i> broadens students' understanding of literature by teaching the method and importance of literary analysis. The literature selections and analysis questions promote critical thinking skills as key to understanding and appreciating literature.</p>		
ENG011: ENGLISH 11	1 YEAR	1 CREDIT
PREREQUISITES: ENGLISH 10		
<p><i>Writing & Grammar 11</i> (3rd edition) presents the eight parts of speech, verbal phrases, clauses, usage, and mechanics. Review the seven sentence patterns and introduce advanced concepts such as tense sequence, perfect verbals, and adverbial nouns. Reference chapters include library and study skills. Writing projects include the research paper, literary analysis, folktale, narrative poem, hymn, analytical essay, interview, memoir, analogy, in-class essay, and letter to the editor.</p> <p><i>American Literature</i> introduces students to more than seventy authors in a study that connects the authors' lives and beliefs as revealed in their writings with the corresponding literary periods. Lessons examine Colonial-Revolutionary, Romantic, Realistic/Naturalistic, and Modern periods and issues relevant to each period such as Darwinism and religious liberalism.</p>		
ENG101: ENGLISH COMPOSITION	1 SEMESTER	0.5 CREDIT
DUAL ENROLLMENT 3 COLLEGE CREDITS		
PREREQUISITES: ENGLISH 11		
<p>A course designed to give the student the skills necessary to function as a reader and writer of English at the college level. The course emphasizes organization and development of ideas both orally and in written form and includes the development of language, levels of usage, and vocabulary.</p>		
ENG102: ENGLISH COMPOSITION	1 SEMESTER	0.5 CREDIT
DUAL ENROLLMENT 3 COLLEGE CREDITS		
PREREQUISITES: ENG101		
<p>A course designed to help students reinforce and develop their writing skills. The course stresses the application of writing skills to everyday situations, and includes the topics of style, research methods using primary and secondary sources, and critical evaluation.</p>		

ENG221: ENGLISH LITERATURE DUAL ENROLLMENT 3 COLLEGE CREDITS PREREQUISITES: ENGLISH 11 Medieval, Renaissance, and 18th century literature. Emphasis on major writers and their works in their literary and historical contexts. Includes study and practice in terminology, methods, and objectives of the study of literature.	1 YEAR	0.5 CREDIT
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FINE ARTS

One fine arts credit is required to earn a TCA diploma.

ART09: FASHION & DESIGN (ELECTIVE) PREREQUISITES: NONE	1 YEAR	0.5 CREDIT
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ART10: DRAFTING & ARCHITECTURE (ELECTIVE) PREREQUISITES: NONE	1 YEAR	0.5 CREDIT
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ART11: PHOTOGRAPHY & GRAPHICS (ELECTIVE) PREREQUISITES: NONE	1 YEAR	0.5 CREDIT
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ART12: PRODUCT DEV & MARKETING (ELECTIVE) PREREQUISITES: NONE	1 YEAR	0.5 CREDIT
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BND078: BAND 7-8 (ELECTIVE) PREREQUISITES: NONE	1 YEAR	NO CREDIT
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BND091: BAND 9-12 (ELECTIVE) PREREQUISITES: NONE	1 YEAR	0.5 CREDIT
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CHR078: CHOIR 7-8 PREREQUISITES: NONE	1 YEAR	NO CREDIT
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MUS101: CHOIR 9-12 (ELECTIVE) PREREQUISITES: NONE	1 YEAR	0.5 CREDIT
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MUS221: CHORALE (ELECTIVE) PREREQUISITES: CHOIR 9-12	1 YEAR	0.5 CREDIT
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THE091: SPEECH/DRAMA (ELECTIVE) PREREQUISITES: NONE	1 YEAR	0.5 CREDIT
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Performing Literature and Sound Speech—focus on different aspects of verbal communication. The first provides comprehensive instruction and skill-building activities for oral interpretation and drama, while the second focuses on public speaking skills including topic choice, research, organization, and communication in the workplace. A selection of drama scripts for a variety of venues and casts allows young people to further improve their communication skills in their Christian school or church.

YRBK: YEARBOOK (ELECTIVE) 1 YEAR 0.5 CREDIT

PREREQUISITES: NONE

In this course students will gain skills in one or more of the following areas: page design, advanced publishing techniques, copy writing, editing and photography while producing a creative, innovative yearbook which records school memories and events. Students are expected to be organized, motivated, and possess strong reading and writing skills upon entering the class. Participants gain useful, real world skills in time management, marketing, teamwork, and design principles. Students will be required to be available outside of regular class hours to attend sporting events, student activities, etc.

FOREIGN LANGUAGE

Two credits of the same foreign language are required.

SPANISH I 1 YEAR 1 CREDIT

PREREQUISITES: NONE

Spanish I introduces students to beginning Spanish. Students will learn how to ask and answer questions in Spanish, give and follow directions, purchase items, make small talk, and present the gospel. The textbook is rich with activities to help students gain confidence with the Spanish language.

SPANISH II 1 YEAR 1 CREDIT

PREREQUISITES: SPANISH I

Spanish 2 teaches students to communicate comfortably at a beginning-intermediate level with Spanish-speaking people in a variety of settings: a store, a bank, an airport, a hotel, a doctor's office, an auto shop, and on the mission field. Grammar, pronunciation, writing, listening, verb tenses, and moods are explained through a variety of exercises and Spanish dialogues.

ROSETTA STONE 1 YEAR 1 CREDIT

PREREQUISITES: NONE

HOME ECONOMICS

HME101: 1 YEAR 1 CREDIT

PREREQUISITES: NONE

LIF101: LIFE SKILLS 1 YEAR 0.5 CREDIT

PREREQUISITES: NONE

MATHEMATICS

Four credits of math are required for a TCA diploma.

MAT007: MATH 7 1 YEAR NO CREDIT

PREREQUISITES: NONE

Fundamentals of Math covers math concepts such as whole numbers, decimals, number theory, fractions, and an introduction to algebra and geometry. Problem solving skills and the applications of math to real life are emphasized.

MAT008: PRE-ALGEBRA PREREQUISITES: NONE <i>Pre-Algebra</i> eases the transition from arithmetic to algebra. Algebraic expressions and linear equations are applied throughout a thorough review of operations on integers, fractions, decimals, percents, and radicals. Students explore relations and functions using equations, tables, and graphs. Chapters on statistics and geometry extend foundational concepts in preparation for high school courses. Problem-solving and real-life uses of math are featured in each chapter. Dominion through Math exercises regularly illustrate how mathematics can be used to manage God's creation to His glory.	1 YEAR	NO CREDIT
MAT009: ALGEBRA 1 PREREQUISITES: NONE <i>Algebra 1</i> develops an understanding of algebra by justifying methods and by explaining how to solve problems. Concepts discussed include graphing, solving systems of equations, operations with polynomials and radicals, factoring polynomials, solving rational equations, and graphing quadratic functions.	1 YEAR	1 CREDIT
MAT010: GEOMETRY PREREQUISITES: NONE Enhance problem-solving abilities through the study of geometry. Geometry helps develop thinking processes that are essential for future math courses and for everyday life. The geometry program by BJU Press is traditional in nature, requiring students to prove theorems and calculate with formulas. Each lesson reinforces geometry concepts and helps develop critical thinking skills. The text also presents geometry as a means of exercising dominion over the earth, loving our neighbors, and manifesting the orderliness and design of the world God created.	1 YEAR	1 CREDIT
MAT011: ALGEBRA II PREREQUISITES: ALGEBRA I <i>Algebra 2</i> focuses on developing reasoning skills through the discussions of advanced algebra concepts such as quadratic equations, polynomials, complex numbers, logarithms and trigonometry. Students will learn to solve algebraic functions and graph them.	1 YEAR	1 CREDIT
MAT012: CONSUMER MATH PREREQUISITES: NONE Prepares the student to make wise financial decisions through the study of Consumer Math. The Consumer Math curriculum developed by BJU Press will instruct the student about credit card charges, taxes, interest on loans and savings, personal banking, and costs of transportation, food, clothing, utilities, and insurance. It also includes instruction about filling out tax forms. Every lesson will help develop critical thinking skills and will emphasize biblical stewardship.	1 YEAR	1 CREDIT
MAT113: PRE-CALCULUS (ELECTIVE) PREREQUISITES: ALGEBRA 1 <i>Precalculus</i> equips students for college with precalculus skills. This advanced math curriculum emphasizes functions, graphing, and trigonometry throughout and introduces differential calculus.	1 YEAR	1 CREDIT

PHYSICAL EDUCATION

One year of physical education is required.

PHE078: PE 7-8 PREREQUISITES: NONE	1 YEAR	NO CREDIT
PHE091: PE 9-12 PREREQUISITES: NONE	1 YEAR	0.5 or 1 CREDIT

SCIENCE

Three credits of lab science are required to earn a TCA diploma.

SCI007: LIFE SCIENCE 1 YEAR NO CREDIT

PREREQUISITES: NONE

Life Science provides a thorough overview of the life sciences in a new two-volume set with larger formatting and single-column text. Students will explore the living world from cellular biology and genetics to zoology and ecology.

SCI008: EARTH SCIENCE 1 YEAR NO CREDIT

PREREQUISITES: NONE

Earth Science guides students in an examination of God's handiwork. Affirming the young earth creationist view of the Earth's history and disproving the evolutionary views pervading the scientific community and modern culture, the science curriculum presents an engaging study of scientific philosophies and models, meteorology, geology, and oceanography.

SCI009: BIOLOGY 1 YEAR 1 CREDIT

PREREQUISITES: NONE

Biology shows your student God's power and glory in creation as he learns about cellular biology, genetics, taxonomy, microbiology, botany, zoology, and human anatomy. When studying topics such as creation and evolution, human cloning, abortion, and stem cell research, students are pointed to Scripture as the ultimate authority and are encouraged to develop a biblical perspective about these topics.

SCI010: PHYSICAL SCIENCE 1 YEAR 1 CREDIT

PREREQUISITES: NONE

Physical Science is an exciting and engaging introduction to the world of physics and chemistry. Designed and written for the 9th-grade level, it provides an essential foundation for subsequent science courses, including Biology, Chemistry, and Physics. It builds a foundation of basic knowledge regarding matter and measurements early in the text, then furnishes the student with the key principles and scientific laws of classical physics, thermodynamics, electricity, magnetism, sound, light, and optics.

SCI011: CHEMISTRY 1 YEAR 1 CREDIT

PREREQUISITES: NONE

Chemistry guides students in investigations of atomic theory, chemical composition and reactions, stoichiometry, gases, thermodynamics, kinetics, and more. The chemistry text promotes analytical thinking and inductive problem-solving skills through many exciting chemistry experiments.

SCI012: PHYSICS 1 YEAR 1 CREDIT

PREREQUISITES: NONE

Physics offers classical mechanics, work and energy, periodic motion and wave theory, electricity and magnetism, optics, relativity, quantum physics, and nuclear physics. These topics are presented in conjunction with real-world modeling exercises (dominion modeling) that reinforce a Christian worldview by demonstrating the relevance and validity of approaching science from a biblical perspective. The course is mathematically rigorous and algebra-based. The well-prepared student should have completed at least two years of algebra and one year of geometry instruction. In order to help students succeed, the necessary math skills are gradually introduced in a scaffold fashion, reinforced with numerous example problems.

SOCIAL STUDIES

Three credits of social studies are required to earn a TCA diploma.

HIS007: WORLD STUDIES 1 YEAR NO CREDIT

PREREQUISITES: NONE

World Studies is rewritten and updated to provide a fresh look at the civilizations of the world through the lens of a Christian worldview. This edition begins with a brief review of history from Creation to the coming of Christ and progresses in a chronological journey around the world studying the ebb and flow of empires, cultures, Christianity, and world religions, concluding with an examination of the trends of the emerging 21st century.

HIS008: AZ HISTORY 1 SEMESTER NO CREDIT

PREREQUISITES: NONE

Arizona History examines the record of the past from the Creation to the present, focusing particularly on events related to the development of the state of Arizona and the West. Emphasis is placed on the providence of God as a key force in the actions of men.

GEO009: GEOGRAPHY 1 SEMESTER 0.5 CREDIT

PREREQUISITES: NONE

Cultural Geography surveys the principles of geography through a regional approach. Students will “travel” from continent to continent around the world studying the geography, cultures, land forms, climates, resources, economy, religions, and government of each country. This new edition is filled with photographs, charts, maps, and first-person accounts that make this “virtual world tour” an exciting and stimulating exploration of world geography and culture.

HIS009: HISTORY OF CIVILIZATION 1 YEAR 1 CREDIT

PREREQUISITES: NONE

This course guides students through the story of history from the dawn of civilization to the present world. Students are encouraged to explore the past and delve in to the twists and turns of world history through relevant activities and class discussions. The text emphasizes how a Christian worldview affects the study of history, illustrating the crucial nature of viewing history through the lens of the Bible. Provides a survey of history essential to future study.

HIS010: US HISTORY 1 YEAR 1 CREDIT

PREREQUISITES: NONE

United States History recounts the story of our nation's history from its discovery and colonization up to the present day. Special attention is given to God's providence and America's Christian heritage. This high school level history textbook is presented in an engaging narrative style and seeks to bring United States history to life.

HIS011: GOVERNMENT/ECONOMICS 1 YEAR 1 CREDIT

PREREQUISITES: NONE

American Government prepares students for responsible citizenship with a discussion of the principles and mechanics of a constitutional republic. The curriculum provides insight on a variety of topics such as the three branches of government, political parties, elections, foreign policy, and more, all from a biblical perspective.

Economics introduces and explores key principles of economics from household purchases to the stock market. Each chapter includes personal finance sections which explain important economic principles and provide practical information about budgeting, banking, debt, credit and interest. Students will also learn about issues related to national economic systems and policies.

HIS101: WORLD HISTORY 1 DUAL ENROLLMENT 3 COLLEGE CREDITS PREREQUISITES: US HISTORY A survey, with Biblical perspective, of the development of World History from ancient times to the Protestant Reformation, including Church history and Christian apologetics. Emphasis is placed on the providence of God as a key force in the actions of men and nations.	1 SEMESTER	0.5 CREDIT
HIS102: WORLD HISTORY 2 DUAL ENROLLMENT 3 COLLEGE CREDITS PREREQUISITES: HIS101 A survey, with Biblical perspective, of the development of World History from the Protestant Reformation to the present, including Church history and Christian apologetics. Emphasis is placed on the providence of God as a key force in the actions of men and nations.	1 SEMESTER	0.5 CREDIT
PSY212: RESEARCH METHODS DUAL ENROLLMENT 3 COLLEGE CREDITS PREREQUISITES: NONE This course provides an introduction to concepts and techniques of social science research. Students will (1) become familiar with levels of measurement, sampling techniques, research design, and research techniques, (2) apply these techniques to the study of specific research questions, (3) become familiar with both quantitative and qualitative research methodology, (4) evaluate whether research findings support stated conclusions, and (5) write a research project which includes: theory, hypothesis, research design, population/sampling, data collection and analysis.	1 SEMESTER	0.5 CREDIT
PSY299: INTRODUCTION TO SOCIOLOGY DUAL ENROLLMENT 3 COLLEGE CREDITS PREREQUISITES: NONE Fundamentals of Sociology, focusing on basic concepts, theories, and methods of research and inquiry. Emphasis is on applying the sociological perspective to understanding social inequalities and social stratification, culture, social institutions and groups, social change, and the relation to the individual to society.	1 SEMESTER	0.5 CREDIT
PSY101: INTRODUCTION TO PHILOSOPHY DUAL ENROLLMENT 3 COLLEGE CREDITS PREREQUISITES: NONE A systematic approach to the analysis of philosophical problems. The course will examine classic philosophical issues, including the problem of evil, the existence of God, the nature of knowledge, the basis of morality and value, and the primary alternatives offered down through the history of Western thought.	1 SEMESTER	0.5 CREDIT