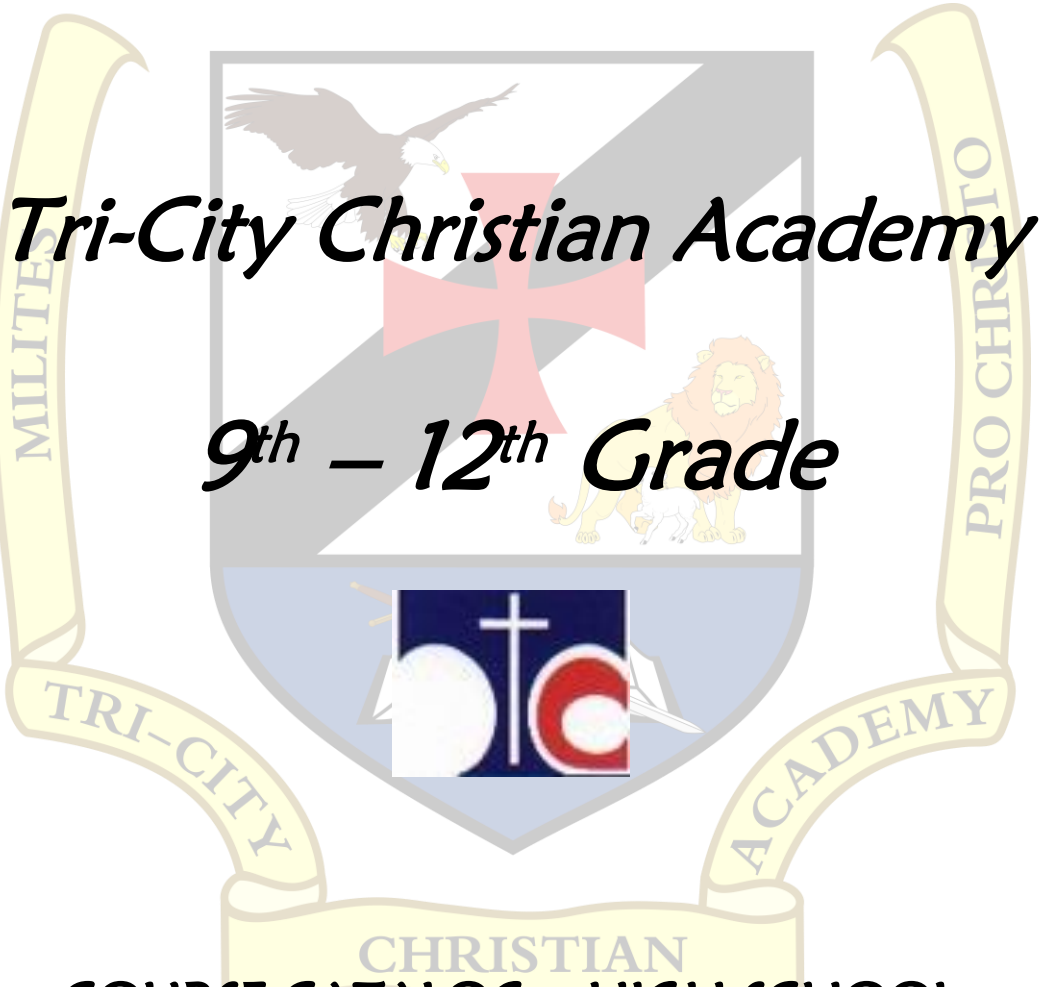




Tri-City
CHRISTIAN ACADEMY



Tri-City Christian Academy

9th – 12th Grade

COURSE CATALOG – HIGH SCHOOL
TRI-CITY CHRISTIAN ACADEMY
2018-2019

TRI-CITY CHRISTIAN ACADEMY
SENIOR HIGH SCHOOL GRADUATION REQUIREMENTS

Vocational Curriculum (22 credits)

- 4 credits in Bible
- 4 credits in English
- 3 credits in mathematics
- 3 credits in the sciences
- 3.5 credits in Heritage Studies (Required: Comparative Worldview; US History or US Government)
- 2 credits in vocational education
- 1 credit in physical education
- 0.5 credit in the Arts
- 1 additional credit

College Preparatory Curriculum (24 credits)

- 4 credits in Bible
- 4 credits in English
- 3 credits in mathematics
- 3 credits in the sciences
- 4 credits in Heritage Studies (Required: Comparative Worldview, US History)
- 2 credits in foreign or classical language
- 1 credit in the Arts
- 1 credit in physical education
- 2 additional credits

Advanced College Preparatory Curriculum (25 credits)

- 4 credits in Bible
- 4 credits in English (at least two in Honors)
- 3 credits in mathematics (including one advanced math course)
- 3 credits in the sciences
- 4 credits in Heritage Studies (Required: Comparative Worldview, US History)
- 2 credits in foreign or classical language
- 2 credits in the Arts
- 1 credit in physical education
- 2 additional credits

THEOLOGY 100

103 Church History* (9th & 10th Grade)

A survey course covering our Christian "family history" from the Day of Pentecost through today. Emphasis is given to the creeds and councils of the early church, the medieval conflicts between church and state, the Protestant Reformation, the various schisms in Christendom, and the continuing conquest of the Church in modern times. A study of the Book of Acts is included in this course.

Text: *The Church in History*

105 Institutes of Biblical Law* (11th & 12th Grade)

This course is an intense survey of Biblical law and its superintendence over the institutions of men. The principal text, *The Institutes of Biblical Law* by Rousas J. Rushdoony, expounds upon the Law's relevance to the family, church, and state. Students will learn about the significance, validity, and promise of the Law. Each of the Ten Commandments will be reviewed and studied for application to the students' lives.

Text: *The Institutes of Biblical Law*

ENGLISH 200

203 9th & 10th Grade English*

Grammar covers the eight parts of speech, verbal phrases, clauses (including noun clauses), usage, and mechanics. This course also reviews the five basic sentence patterns and introduces two new sentence patterns. There are also chapters which provide information in library skills and study skills. The text leads students through the writing process and teaches writing strategies such as sentence expansion and reduction, coordination and subordination, and parallelism. Writing projects will include persuasion, editorial, eyewitness report, research essay, cause-and-effect essay, short story, and poetry. Vocabulary includes Greek word parts and discusses the contribution of Greek to modern English. The importance of proper word selection for vivid writing is emphasized in this course. The literature text strengthens the students understanding of literature by focusing on advanced literary concepts. Students analyze literary selections from several genres and interpret them in light of biblical principles. The Shakespeare drama *Romeo and Juliet* is included in this textbook.

Text: *Writing & Grammar 10*

Vocabulary for Christian Schools: Level D
Elements of Literature

205 11th & 12th Grade English*

Honors Thesis Project Available

Grammar teaches the eight parts of speech, verbal phrases, clauses, usage, and mechanics. Students review the seven sentence patterns and are introduced to advanced concepts such as tense, sequence, perfect verbals, and adverbial nouns. Reference chapters include library skills and study skills. Writing projects include a research paper, a literary analysis, a folktale, a narrative poem, a hymn, an analytical essay, an interview, a memoir, an analogy, an in-class essay, and a letter to the editor. Vocabulary investigates some of the ways by which the English language acquires words--such as allusions, coining, back-formation, old etymology, and borrowing. The literature text introduces the students to more than seventy American authors in a study that connects the authors' lives and beliefs as revealed in their writings with the corresponding literary periods. The course will examine Colonial-Revolutionary, Romantic, Realistic/Naturalistic, and Modern literature periods contemplating such issues as Darwinism, and religious liberalism. Thornton Wilder's play, *The Happy Journey to Trenton and Camden* is included in this textbook. The supplemental reading further explores the elements of literature in early, middle, and contemporary American and Western prose, highlighting conflicting worldviews from a Biblical perspective.

Text: *Writing and Grammar 11 (3rd Edition)*
Vocabulary for Christian Schools: Level E (3rd Edition)
American Literature (3rd Edition)
Prentice Hall Reference Guide (9th Edition)
The Immortal Nicholas
The Scarlet Letter
Mere Christianity
The Last Disciple

217 Writing & Research*

Required for Freshman Class

Students will learn to apply proper mechanics for producing clear and cogent writing, develop and utilize strong reasoning skills, and critically analyze the credibility of scholarly sources. Using the *Lost Tools of Writing* text, students will apply themselves to analyzing complex issues and executing competent, well-composed responses and persuasive arguments. Emphasis will be placed on MLA and APA formats, effective note taking and information organization, and visual argument. Instruction will also cover the use of Microsoft Word and Microsoft PowerPoint. Students will be assessed through a series of written essays and visual presentations.

Text: *Prentice Hall Reference Guide (9th Edition)*
The Lost Tools of Writing Student Workbook

MATHEMATICS 300

303 Algebra I *

Recommended for freshmen and sophomores who are college bound or 8th grade students wishing to begin an advanced college bound course. Students must score above a 50th percentile

in standardized math testing. Students will work with axioms, rules, and principles of algebra while studying this course. Reviews at the end of each unit measure student progress, and special sections challenge the mathematically talented student.

Text: *Algebra I (3rd Edition)*

305 Algebra II

Recommended for sophomores and juniors who are college bound. Students will work with axioms, rules and principles of algebra while studying this course. Reviews at the end of each unit measure student progress, and special sections challenge the mathematically talented student.

Text: *Algebra II*

306 Pre-Calculus

Recommended for college-bound juniors and seniors. This course covers trigonometry and graphing as well as basic fundamentals of calculus. This course is also beneficial for those pursuing careers in engineering, architecture, or land surveying.

Text: *BJU Pre-Calculus for Christian Schools (2nd Edition)*

308 Business Math

Introduces secondary students to the math needed to operate a business and successfully manage family finances, while teaching godly attitudes toward finances and work responsibilities. Each unit begins with basic skills and concepts and builds gradually to more difficult concepts. Example problems guide students toward independent thinking. Word problems test knowledge of concepts and skills.

Text: *ABeka Business Mathematics (2nd Edition)*

310 Algebra1A

This course will cover similar material to Algebra 1, but also supplementary material to fill any learning gaps students may have to fill in order to prepare them to master Algebra 1. This course is taught at a slower pace than 303-Algebra 1, and it is not recommended for college-bound freshmen. Students who have successfully completed 303-Algebra 1 are ineligible to enroll. Pre-requisite: recommendation from math faculty. Algebra 1B will be available in 2019-20 for students in need of additional instruction for the purpose of mastering Algebra I.

Texts: Algebra 1 (3rd edition) and supplementary materials.

SCIENCE 400

401 Physical Science*

In this course the students will learn about scientific measurements and the changing states of matter. They will also be introduced to mechanics and physics. The students will learn the basics of electricity, magnets, periodic motions, waves, sound, light and optics.

Text: *BJU Physical Science (5th Edition)*

420 Marine Biology*

This course focuses on marine wildlife and their habitats. The students will look at marine organisms from each of the biological kingdoms and will learn about the different habitats found in the ocean. Students will learn about microscopic marine organisms that are vital for survival of other living marine organisms. Students will learn about the life cycles of various marine organisms, and how these organisms make life in the ocean possible. This class will meet on Monday –Friday during the 6th Period block.

Text: Apologia *Exploring Creation with Marine Biology*

Prerequisite: Biology

425 Chemistry*

This course covers significant figures, units, classifications, the mole concept, stoichiometry, thermochemistry, thermodynamics, kinetics, acids and bases, redox reactions, solutions, atomic structure, Lewis structures, molecular geometry, the gas laws, and equilibrium. Students who take this course should have completed Algebra 1.

Text: Apologia *Exploring Creation with Chemistry (2nd Edition)*

431 Zoology (Available to 10th – 12th Grade Students)

In this high school Zoology course students will study animal life. Students will study the nine major phyla of the animal kingdom. Students will learn about life processes of the different animals in each of the nine phyla, animal anatomy, animal characteristics, the habitats of different animals, and the interrelationships between animals. This course offering will be delivered in two phases: Zoology A will be conducted in 2017-18 and Zoology B the following year. This class will meet Tuesdays, Thursdays, and Fridays during the 7th Period block.

Text: *Zoology* (9th Edition) by Harley and Molles

HISTORY 500

505 World History* (9th & 10th Grade)

Honors Thesis Project Available

Students will examine ancient civilizations through the lens of a Christian worldview. Students will include a survey of the histories of India, Asia, and Africa, and will continue on with coverage of the Middle Ages, the Renaissance, and the Reformation. Students will be encouraged to discover the forces, issues, people, and movements that have shaped our modern world. Text: *World History (4th Edition)*

Student Activity Manual (4th Edition)

527 Comparative Worldview* (11th and 12th Grade)

Honors Thesis Project Available

This course is a guide to understanding the ideas and forces shaping our times. *Understanding the Times* offers a fascinating, comprehensive look at how the tenets of the Christian worldview compare with five major competing worldviews of our day: Islam, Secularism, Marxism, New Spirituality, and Postmodernism. *Understanding the Times* is a systematic way to understand the ideas that rule our world. While the material is expansive, the engaging, easy-to-understand

writing style invites students to discover the truths of God—and our world. This course will prove invaluable to every student headed off to college.

Text: *Understanding the Times*

Student Manual (5th Edition)

Prentice Hall Reference Guide (9th Edition)

FOREIGN LANGUAGE 600

622 Foreign Studies – Mandarin II

After a brief review of the 4 tones, students will expand on the basics of speaking Mandarin.

They will increase their vocabulary and become increasingly able to speak and understand conversations in Mandarin. Students will continue to read Pinyin while learning more Chinese characters. Grammar in Mandarin is expanded in Mandarin 2 and becomes much more inclusive. This course will include some cultural study of China, using in-class discussions, Chinese New Year celebration, field trips, and crafts to assist in learning Mandarin and about Chinese culture. This class will meet on Mondays, Wednesdays, & Fridays during the 7th Period block.

623 Koine Greek II

Rev. Brian Nolder, Instructor

Want to learn the Bible in the language that John, Paul, and James wrote it to us? Rev. Nolder is offering an elective in New Testament Greek. Mr. Nolder has almost 25 years' experience reading and studying NT Greek. Through a combination of instruction, paradigms, vocabulary, and translation, you will be on your way to read the NT in its original language! This class will meet Tuesdays and Thursdays during our 7th period block.

636 Latin I

Latin is the language of Western civilization; as such it is an integral part of every Catholic's heritage. This course in Latin will give a comprehensive introduction to Latin grammar. Students will complete the first twenty-eight lessons in Henle First Year Latin. By diligent work in this course, the student will obtain a sound foundation of Latin vocabulary; an introductory grasp of Latin grammar and syntax; facility in Latin pronunciation; an expanded English vocabulary, by understanding etymology of Latin derivatives; and a reinforced grasp of English grammar through the study of Latin grammar. This class will meet M-W-F during our 7th period block.

ELECTIVE OFFERINGS

PE Physical Education This course runs all year. In addition to participation in a number of athletic activities, students taking this course practice to attain an award from the President's Challenge Physical Activities and Fitness Awards Program. This program helps to assess the current fitness level of the students, and offers awards to encourage them to stay active. This program includes five events that measure muscular strength/endurance, cardio respiratory endurance, speed, agility, and flexibility. This class will meet on Mondays & Wednesdays during the 7th Period block. **Elective Course Fee - \$30.00 per year**

SS Student Service Elective

This elective option is available to senior high school students with a demonstrated record of good behavior. Students are assigned to assist a particular teacher, administrator or support services staff member in the execution of official tasks. In exchange for the student's services, the student will receive academic credit and thus be graded for his or her performance. This elective alternative meaningfully exposes the student to some operational component of the organization, fostering a heightened association between the staff and the student body. Registered students are subject to faculty approval. Schedule is flexible, and contingent upon instructor approval.

SH Study Hall

Students are expected to **work quietly** on homework, projects or read. A teacher will monitor the study hall and assist students as needed. This study hall will meet on Tuesdays and Thursday during the 7th Period block.

506 United States Government* (11th and 12th Grade)

Honors Thesis Project Available

This course takes a historical approach to American government, analyzing its levels and branches and explaining its scriptural foundation. The course provides students with an overview of the changes and developments of our government along with discussions about current issues. Students also examine the Constitution, political parties, elections, interest groups, mass media, and political behavior while exploring the foundational development of government, and taking dominion in politics and the public square. This class will meet on Mondays & Wednesdays during the 7th Period block.

Text: *American Government (3rd Edition)*

5000 Year Leap

Economics in One Lesson

703 Select Chorus

This elective course is open to high school and middle school students by audition.

The chorus will learn to sing and read SATB music as well as contemporary Christian pieces. Ear training, sight singing, blending, and performing will be among the skills covered. There will be opportunity for solos. . This class will meet on Tuesdays and Thursday during the 7th Period block.

711-01 Art The elements of art will begin with the Creative Process the exploration of materials and processes. This process progresses through developing imagination and individual expression. Performing Process will guide the students into various levels of artwork using shape, and value employing principles of balance that will be applicable with developing drawing skills and painting. Our drawing techniques will explore and incorporate shading, smearing, crosshatching, contour drawing, gesture drawing, optical illusions, landscapes, perspective, and portrait drawings. These drawing techniques, both indoors and outdoors, will lay the foundation for other forms of art such as Painting, Pointillism, Impressionism, Cubism, Still life, and Texture. This progression will culminate into Elements and Principles of Design where students will analyze the visual arts in relation to history and culture. This art class will

help students to become reasonably proficient in the most basic art form. This class will meet on Mondays & Wednesdays during the 7th Period block. **Elective Course Fee - \$30.00 per year**

713 Band - Will include band, orchestra, chorus, and theatre components.

***Private half-hour instrumental lessons are offered as well as instrument rental. Costs for these are available upon request.**

Student participants will be selected based upon interest level, attitude, and willingness to learn their instrument. Students will be learning to read music, sight read, music theory, ear training, and blending together as a group. High school band will perform at the Christmas concert, spring concert, and the commencement exercises. Private lessons are offered to all instruments, beginner to advanced. High school band is offered to students grades 9 through 12. This class will meet on Mondays, Wednesdays, & Fridays during the 7th Period block.

Elective Course Fee - \$30.00 per year

805 Computer Science Principles

Computer Science Principles covers many topics including the Internet, Big Data and Privacy, and Programming and Algorithms. The curriculum is flexible to be taught with no previous computer experience required. The course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. This course is designed with the goal of creating leaders in computer science fields and attracting and engaging students with essential computing tools and multidisciplinary opportunities. Go to <https://studio.code.org/courses> for more in-depth detail of what the course will include. This class will meet on Tuesdays and Thursdays during the 7th Period block.

Elective Course Fee - \$25.00 per year

891 Foundations in Entrepreneurship

This course exposes the student to essential business topics allowing them the opportunity to develop a business idea through project-based learning. This class will meet on Tuesdays and Thursday during the 7th Period block. **Elective Course Fee - \$30.00**

910 Journalism/Yearbook

The purpose of the *Tri-City Christian Academy's* yearbook for grades PK-12, is to create a comprehensive record of the people, organizations, and events at Tri-City Christian Academy and to also provide yearbook staff members with publishing skills. All students learn the basics of digital photography, proofreading, and layout design principles. Because the yearbook is produced through a web-based program, students are also exposed to the latest design software and become experts at using it by the end of the course. Journalism is integrated writing journalistic articles to cover pertinent Tri-City Christian Academy sponsored events including open houses, concerts, pep rallies, alumni day, grandparent's day, senior ring ceremony, athletic competition, etc., as well as, monthly or quarterly student profiles. This class will meet on Tuesdays and Thursday during the 7th Period block.

Elective Course Fee - \$20.00 per year

953 Introduction to Contracts

Introduce pupils to basic principles of contract formation, breach, damages, and remedies. This class will meet on Fridays during the 7th Period block. **Elective Course Fee - \$15.00 per year**

Career Technical Center Courses

There are two types of career technical courses available through a generous partnership with the Somersworth High School Career Technical Center. The first type is **exploratory** in nature, the duration of which is one quarter length for each course. The second type is **programs** which is recommended for a two year duration, though students in some cases may opt for one year of the program. For additional information regarding this program, please see the “Academic Downloads – High School” accessible on the TCCA website. Please talk to your guidance counselor if you are interested in these courses.

Transportation Fee - \$90.00 per semester

Dual Enrollment Programs Accepted by TCCA

Dual enrollment enables high school students to earn credit toward high school graduation while taking a college course. Courses may be online or at a college campus. Many colleges and universities offer dual enrollment credits. Be aware that it is the student’s responsibility to ensure credits are transferrable to the college of his/her choice. Please see your Guidance Counselor for direction regarding using dual credits for fulfilling high school graduation requirements. Options can be found under “Academic Downloads – High School” accessible on the TCCA website

****ONLINE COURSE PARTNERSHIP****

To fully prepare our students for the changing world of higher education, it is recommended that TCCA high school students have some experience with online courses, which we offer in conjunction with Virtual Learning Academy. Students in our College Preparatory & Advanced College Preparatory curricula should take at least one online course during their four year high school career. This program is free to NH residents. Non-resident enrollees would be required to pay registration and course related fees. Inform your guidance counselor if you intend to register with this program.

Please visit the VLACS website (<http://vlacs.org/>) for additional information and to review course offerings.

*****TCCA After-School Enhancement Program*****

CAP Civil Air Patrol

The school based CAP program offers students an exciting form of character education that uses the students' enthusiasm for aviation, space, and technology as a motivator. Civil Air Patrol, an Air Force-affiliated after-school program, is a low-cost alternative to Junior ROTC. Middle schools find that the challenge of cadet life provides the structure early adolescents need.

Cadets are never obligated to join the military, nor does CAP attempt to recruit cadets for the armed forces. However, the uniform, military customs and courtesies, and drill and ceremonies are important features of cadet life that contribute to individual self-discipline. Moreover, 10% of the cadets at the Air Force Academy got their start in CAP.

The Cadet Program is a self-paced program of sixteen achievements. Cadets complete one task in each element of cadet life — leadership, aerospace, fitness, and character — during each achievement. There is a degree of academic rigor to the program; cadets study their textbooks and must pass written tests to advance. Along the way, cadets earn promotions, acquire new leadership responsibilities, and collect awards. The class will meet each Thursday from 6:00PM – 8:30PM.

Program Fee - \$55.00 per year

WCRV Wood Carving Thurs, 3-4:30PM

Sessions will include knives & wood, cover sharpening, and by the conclusion of the course, students will have created at least three figures. *Students will need to bring a protective glove for their non-dominant hand. **CLASS IS LIMITED TO 8 MIDDLE SCHOOL and/or HIGH SCHOOL STUDENTS - SIGN UP NOW!**

