

Troy Christian High School

2012-
2013

Course Handbook

Revised 2/12



Troy Christian

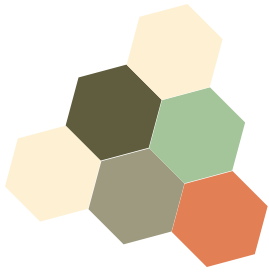


You are the salt of the earth. But if the salt loses its saltiness, how can it be made salty again? It is no longer good for anything, except to be thrown out and trampled by men.

Matthew 5:13

700 South Dorset Rd.
Troy, Ohio 45373

troychristianschools.org
937.339.5692



Troy Christian Schools

*Troy Christian High School Course Handbook * 2012-2013*

Our Mission

Troy Christian Schools exist to uphold God's truth as we assist parents in the education of their children's minds and the transformation of their hearts in a Christ-centered learning environment.

Our Motto

The heart of education is the education of the heart.

Core Values

R2G2

Respect, Responsibility, Gratitude, Genuineness

To equip our students to become productive members of church and society, demonstrating leadership and service as they learn and experience their God-given gifts and talents. To have a genuine relationship with Christ resulting in attitudes and actions that manifest respect, responsibility, and gratitude.

Our Vision

Troy Christian students will be S.A.L.T. in their world NOW.

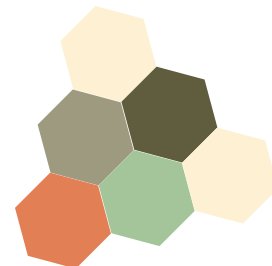
Matthew 5:13

S.A.L.T.

To **S**peak, **A**ct, **L**ead, and **T**hink like Jesus.

Sr. High Introduction

*Troy Christian High School Course Handbook * 2012-2013*



This Course Handbook is intended to serve as the primary resource in planning for graduation. Please study it carefully and use it for reference. Please direct your questions to the Guidance Department.

Troy Christian High School offers a college preparatory program to prepare students for graduation and their post-secondary educational experience. High school learning includes class-oriented instruction, online learning, independent studies, service and leadership learning and experiences, enrichment opportunities, honor classes and college classes on TCHS's campus.

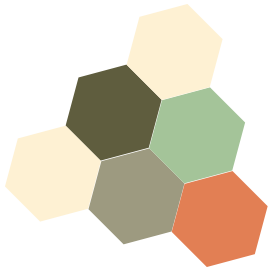
All honors courses are weighted. Please see the grading policy on page 7.

General Requirements for Graduation

Graduation Requirements

1. Pass all parts of The Ohio Graduation Test.
2. Earn a minimum of 24 credits in the following subject areas, in addition to a credit of Bible for each year of attendance at TCHS:
 - Four credits (years) in English [3 English credits must be earned through TCS classes]
 - Three credits (years) in Mathematics (four credits for 2014 graduates and beyond)
 - Three credits (years) in Science
 - Three credits in Social Science (American History, Current Social Issues, and American Government, and Economics required)
 - One-half credit in Physical Education (2 classes that are 1/4 credit each) or Alternative PE through a sport or cheerleading
 - One-half credit in Health
 - One-half credit in Oral Interpretation (Speech)
 - One credit in Technology
 - One credit in Foreign Language (two credits for 2015 graduates and beyond)
 - One credit in Fine Arts
 - One additional credit in either Math or Science
 - Earn five and one-half credits in elective courses (1/2 credit must be obtained through one of our E-learning classes)
 - Courses that include a lab may have graduation credits adjusted
 - All students must take an online e-learning course to graduate

A graduation fee of \$45 is charged



Scheduling Process

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Through RenWeb, our school administrative system, we will provide a listing of classes for a student to select for next school year. We will open up the class request portion for a time (typically 7 -10 days) for the selection process. When the selection time is complete, we will begin to create the master schedule and create the schedule for your student. There are many factors that determine the schedule - class size, room size, equipment availability, and course of study.

Please know that Seniors, then Juniors and so on will be given priority as we begin to schedule students for the next school year. We will also be reviewing graduation requirements through this process.

Schedules will be provided in the summer through RenWeb.

Students are required to schedule seven class periods per semester to earn the needed credits toward promotion and graduation. It is recommended that students schedule one study hall daily unless a student is taking a science lab, on-line course or another class that meets only 2 or 3 times per week. All students must carry a full schedule, even if they have met all graduation requirements.

New Students

After you are notified of your acceptance into TCHS, please call the school office to make an appointment with the Scheduling Coordinator to select courses based on your report cards, transcripts, standardized test results, and teacher recommendations.

Book Rental and Fees

Book rental and fees are posted on RenWeb and are due in August. Payment can be paid by logging on to your RenWeb account.

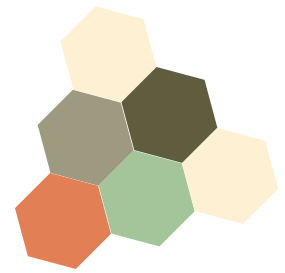
Schedule Change Policy

There are many steps that make up the scheduling process, which takes many months to complete. **Therefore, any requests for schedule changes initiated by students or parents after August 1, 2012 will be charged a fee of \$25.** No change request will be processed until the fee is paid. Students must complete a Schedule Change Request Form from the main office in order to receive a change to their schedules. **Schedules are not changed for social reasons or for teacher preference.** If a schedule change is necessary as the result of an oversight or error by the school, no fee is required.

If a student is considering dropping a course, he or she must do so within the first week of the semester. If a change is requested after this period, permission from the teacher, parent, principal, and scheduling coordinator is required, as well as a \$25 fee. No changes will be processed until the fee is paid. Students must complete a *Schedule Change Request Form* in order to receive a change to their schedule.

Honors * Early College

Troy Christian High School Course Handbook * 2012-2013



Honors Program

Honors classes are available in 9-12 grades. Students are accepted in honors classes based upon Honors Faculty Committee's recommendation, fulfilling course prerequisites and displaying character qualities necessary for successfully completing rigorous and challenging course work. Parents and students are notified in the winter of the honors courses recommended for scheduling. Any college course taken under the Early College Program (see pgs. 28 & 29) has honor status. Many of the college courses offered on TCHS's campus have replaced our traditional honors and Advanced Placement (AP) courses previously offered. Students may take the College Board's Advanced Placement Test. Interested students must schedule an appointment with Guidance Director in September. A test fee is charged.

Ohio Diploma With Honors Requirements

In order for a student to receive an Ohio high school academic diploma with honors, for the graduating classes of 2011 and beyond, students must meet all but one of the following Ohio Department of Education criteria:

- English - 4 units
- Mathematics - 4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
- Science - 4 units, including physics and chemistry
- Social Studies - 4 units
- Foreign Language - 3 units, including at least 2 units in each language studied
- Fine Arts - 1 unit
- Grade Point Average - 3.5 on a 4.0 scale
- ACT SAT Score (excluding scores from the writing sections) - 27 ACT / 1210 SAT

Early College Program

Troy Christian High School recognizes that many high school students are ready for the rigors of college courses. Students in 9-12 grades may select from thirteen college courses offered on TCHS's campus or select a college or university off campus. After successful completion of a course, a college transcript is issued by college. The following are benefits for TCHS's on campus PSEO and Dual Enrollment Program:

- Students can earn up to 45 semester credit hours on TCHS's campus.
- Ninety-eight percent of students choose to stay on campus for their early college experience.
- Students have college courses taught by Christian educators.
- Students can take college courses and continue to experience all the advantages of high school life at Troy Christian – chapel, ESM Week, missions, service and leadership opportunities, and extracurricular activities in a Christ-centered learning environment.
- Early college program on TCHS's campus follows TCHS's calendar.
- **All college courses are honors courses and are weighted unless noted.**
(College courses have replaced many of our traditional honors & Advanced Placement (AP) courses previously offered. AP testing is available. Students must meet with the Guidance Director in fall to discuss).
- Many students are entering college as a sophomore.
- Huge college financial savings.

College courses are available through the Post Secondary Enrollment Option Program (PSEOP) and/or the Dual Enrollment Program. **Students can participate in both programs.**



*Early College * Intervention*

*Troy Christian High School Course Handbook * 2012-2013*

Troy Christian College Faculty

College classes are taught by Troy Christian faculty approved as adjunct instructors by one of the four colleges or universities in our partnership. Each faculty member teaching a college course has earned his or her Master's degree; has experience teaching the content area; has successfully completed summer training with the college or university; and meets all requirements set by Urbana University. Troy Christian has eight highly qualified adjunct teachers.

Post Secondary Enrollment Option Program (PSEOP)

This is an opportunity for high school students to enroll in college classes and fulfill both high school and college academic requirements. Students can attend a college or university off campus or enroll in classes on TCHS's campus offered by Urbana University.

PSEO classes and textbooks are paid by the Ohio Department of Education. Any student considering the PSEOP must have at least one parent attend the Parent Information Meeting required by the Ohio Department of Education and complete the required paperwork. A student must meet the requirements of both the Ohio Department of Education and TCHS to participate in the program and be accepted by Urbana University. Students can participate in the PSEOP at a college or university off campus but **students can only enroll in one college or university for the PSEOP.**

The Ohio Department of Education (ODE) determines how many semester credit hours each student applying will receive. Students are notified in the summer by ODE. Seniors usually receive 8 semester credit hours and juniors 4 or 8 semester credit hours. This is our first year for Freshman and Sophomores in our PSEOP.

Dual Enrollment Program

This is an opportunity for 9-12 graders to enroll in college classes and fulfill both high school and college academic requirements. These courses are offered on TCHS's campus through our partnership with **Urbana University**. Students are charged a very reasonable cost per credit hour and Troy Christian pays for books/resources required. **Students may enroll in more than one college or university for dual enrollment courses.**

Intervention

Our Intervention Program is designed for the purpose of helping all of our students to achieve academic success. Since each child is a unique creation of God, we realize that not all children learn in the same way or at the same rate of speed. It is our desire as educators to provide our students with the programs and services necessary to meet their individual needs.

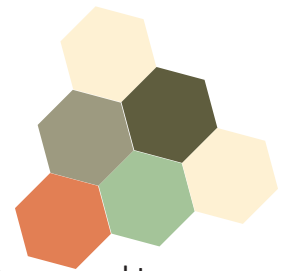
Our Intervention Program has been developed to meet the individual needs of our students by:

- Providing assistance through small group and/or individual instruction
- Improving skills in reading, math, language arts, writing, study skills, and organization
- Modifying curriculum when necessary
- Developing individual service plans
- Assisting teachers in the classroom

Intervention is for students who have qualified either through testing, health-related learning needs or have been identified as a struggling learner.

Grade Point Average

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Grades earned from all subjects, including Bible, in grades 9-11 and the first semester of grade 12, are used to compute the student's final rank in class and grade point average (GPA).

A student's GPA (grades 9-11) and class rank are calculated at the end of each year. Only credits earned by attending classes at TCHS and approved PSEOP/Dual Enrollment classes are calculated for the GPA. PSEO and dual enrollment classes are considered honors classes and are therefore weighted.

Grading Policy			
		Regular	Honors
A+	100	4.0	5.0
A	99-91		
A-	90		
B+	89	3.0	4.0
B	88-81		
B-	80		
C+	79	2.0	3.0
C	78-71		
C-	70		
D+	69	1.0	1.0
D	68-64		
D-	65		
F	64-0	0.0	0.0

Honor Roll = 3.3 GPA

High Honor Roll = 4.0 GPA

Any course described as an honors course has a weighted grade.

Students who **fail a class** are required to fulfill an individualized education program which includes academic probation for the next semester.

Students who **fail a Bible class** are re-evaluated for their status at TCHS.



Course Retake * Honors

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Course Retake Policy

A student may re-take a course if he or she received a “D-” or below in the original course, or is recommended to do so by the teacher. The point value of the higher of the two grades (retake course grade or original grade) will be the only one averaged into the student’s cumulative grade point average (GPA). However, the academic record of both courses will be reflected on the student’s transcripts. Credit for the course will not be duplicated. This retake policy applies only to classes offered at Troy Christian Schools and must be approved by Guidance Director.

National Honor Society

The National Honor Society was founded to inspire students to achieve greatness in scholarship, leadership, character, and service. As a member of this national organization, Troy Christian High School shares its vision of inspiring and affirming students. Our chapter is called the *Eagle Wings Chapter*.

In the fall, all juniors and seniors who have an accumulative grade point average of **3.7 or above** and have been enrolled at Troy Christian High School for at least one year are sent an application packet. Applications are read and critiqued by the Committee. Students are inducted into the National Honor Society at a special ceremony where family and friends are invited.

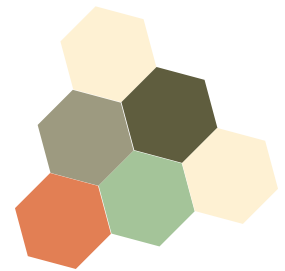
Valedictorian/Salutatorian

The TCHS Valedictorian is the graduating senior who has the highest class rank based on the seventh semester grade point average. The Salutatorian is the graduating senior who has the second highest class rank based on the seventh semester grade point average. In case of a tie, all students sharing the rank are named Valedictorian/Salutatorian.

To be eligible for Valedictorian and Salutatorian, the student must have attended TCHS **full time** for five consecutive semesters prior to the beginning of the second semester of the student’s senior year. Students’ grades from Post-Secondary institutions count for this honor.

Alternative Education/ Home Education

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Families interested in the Alternative Education/Home Education program at TCS must be interviewed and accepted into the program. Families admitted to the program will fit into one of the following three profiles:

- The family has been committed to home education for one or more years, and the family seeks to learn and work under our leadership.
- The parents have developed a well-reasoned desire to home educate their child(ren), are committed to pursuing this lifestyle, and seek to learn and work under our leadership.
- Because of health-related challenges for a student, on-campus course work is impossible or limited. Therefore, parents and the student seek to work under our leadership in order to offer the student a more individualized program.

All families accepted into the program will be characterized by the following:

- The main teaching parent, who must be committed to leading the child through the course work, is home full-time or works no more than part-time.
- The student is committed to this discipleship/educational approach.
- The parents and the student have read and can honestly sign the Commitment to Home Education Agreements. (To locate the parent and student agreement forms, ask in the main office or go online to www.troychristianschools.org > Academics > Homeschool.)
- Attendance is limited to 2 periods for Home Education students taking classes on campus.

Alternative Education Honors Award

This award is for a senior student who has achieved high scholastic standing in Home Education or Career Education. Recognition is during the graduation ceremony.

Summer School

Students may complete some courses in summer school when offered at TCHS or at a public school or college with the administration's prior approval. Only one credit is accepted in any one summer with a maximum of three such units counting toward graduation.

- If sections of the Ohio Graduation Test are not passed, the student may be required to take a summer review class with a re-test in July.
- A "C" or better must be received to have credits accepted.

Career Education Programs

Any student wishing to participate in a career education program and receive a diploma from Troy Christian High School must be a **full-time student at TCHS for one full year prior to enrollment in any JVS or CTC program; and schedule an interview with the principal for approval. Each student must attend an Independent Bible Class through Troy Christian High School.**



ESM * Athletic Eligibility

*Troy Christian High School Course Handbook * 2012-2013*

ESM Week ~ Enrichment, Service & Ministry

Troy Christian High School students attend non-traditional classes or trips during *ESM Week*. These courses/trips provide an opportunity for the teachers and students to explore topics that may be difficult to integrate into their regular curriculum. The students are encouraged to select an experience that fits with their own interests and budgets. Many of the options include trips away from campus to serve and to gain first hand experience in a specific area. It is our belief that such experiences help TCHS students make critical decisions in the college and career process and apply leadership principles that prepare them for their future.

We offer a variety of experiences each year. Course/trip fees range from minimal to several hundred dollars. There is definitely something for everyone! We allow seniors to make their selections first followed by juniors, sophomores and freshmen.

Some of the classes/trips offered in previous years are:

Clubhouse (after school community tutoring program)

Confident Cooking

Photography

Medicine, Mission & Marine Life

Woodworking

Lifetime Sports (can only be taken once)

International Trips - France, Bahamas, Jamaica, Nicaragua

Teacher Practicum

New York - culture & mission

Rebuilding Together Dayton

Local mission focus

Yosemite Valley

TC Elementary Enrichment

College Visits

Washington, D.C.

Video Production

Chicago

Please refer to our website for a complete list of ESM opportunities being offered this year.

Athletic Eligibility

All students in grades 9-12 must pass five credits of academic classes each quarter in order to be eligible to participate in an Ohio High School Athletic Association sport. Athletic grade checks take place every Wednesday. Home educated students must be current in both hours (attendance) and course goals (grades).

Scholar Athletes

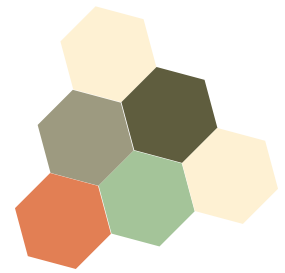
The policy concerning scholar athletes is stated as adopted by the Troy Christian Athletic Department.

All athletes in grades 7-12 who have obtained a GPA of 3.5 or better while in season will be recognized as scholar athletes at the end of each season.

Students who transfer to TCHS as sophomores, juniors or seniors must follow Ohio High School Athletic Association (OHSAA) guidelines for transfer in order to maintain eligibility. Please see the Athletic Director for specific questions.

Course Descriptions

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Bible

(see online courses for Bible electives on pages 12 & 13)

Bible 9 - The Life of Christ

- 1 credit (full year)
- An in-depth study of the person, ministry and life of Jesus Christ.
- A study of The Case for Christ provides strong apologetic evidence for the truth of Jesus' deity, life, death and resurrection.
- A detailed study of the Gospel of John provides students with a fuller understanding of Jesus' life and ministry.
- Supplemental readings may include a relationship type book or other materials geared specifically towards young men or women.
- Regular "Verse Studies" require students to be personally and deeply involved in the study and application of God's Word.
- Class is divided by gender and relevant issues to gender are presented.

Bible 10 - Bible Survey

- 1 credit (full year)
- A survey of Old Testament Bible, including a brief historical survey of the inter-testament period.
- For each book there is a background sketch (including authorship, historical context, etc.) an analysis of theme and structure, and an overview of highlights of the book.
- Opportunities for theological interaction and dialogue as the students wrestle with issues and make the Scripture relevant to their lives.
- Regular "Verse Studies" require students to be personally and deeply involved in the study and application of God's Word.

Bible 11 – Christian Living/Romans and I & II Corinthians

- 1 credit (full year)

Semester – Christian Living

- Major topics include dating, engagement, effective communications, marriage and family life. Students will study these areas in relationship to God's design for each person's life and the Biblical standards for leading a solid, Godly life.

Semester – Romans and I & II Corinthians

- This course focuses on students learning more about the New Testament Epistles, focusing on Romans and I & II Corinthians.
- Involve students in an in-depth study of the major doctrines of the New Testament, including the problem of sin, salvation by grace through faith, the Church and its role in the life of the believers.
- Students will be challenged to renew their minds and align their thinking with the sufficiency of God's Holy Word.

Bible 12 - Apologetics

- 1/2 credit (1 semester) Other semester is Ephesians & Philippians
- Course designed to provide students with insights and information to help them defend their Christian faith (I Peter 3:15)
- Rational proofs of the Scriptures and the process by which the Bible came together will be examined.
- The doctrines of Christianity, other religious systems and how Biblical Christianity responds is researched.
- Students attempt to develop a practical application to their studies through mentoring and dialogue.
- Students will learn to study, research, and apply God's Word.

Ephesians & Philippians

- 1/2 credit (semester)
- Required on-line course for all seniors.
- This course is specifically developed for seniors.
- Students will be exploring their identity & walk with Christ & learning how Ephesians and Philippians weave life impacting Biblical truths for their lives after high school.
- Students meet two days a week with Bible teacher for enrichment activities and discussion.

E-learning - Life Transformation Series

Life Transformation Series are online courses in Bible, social sciences, and leadership. These online courses provide students with course options to meet their interests, schedule needs and meet graduation requirements. All classes are designed by TCHS faculty and use the Internet for course delivery. Courses are offered every period so students can place a class where it best fits their schedule. Students are assigned to the library's research computer lab three times a week to work on the class. If more library time is needed a student may come to the library during a study hall. Students may also access course work off-campus allowing more flexibility for the student in managing time and completion of course content. A teacher/coach is assigned to each class for communication, monitoring progress, course completion and grading. Courses are structured with specific schedules and due dates of lessons. Students must follow the syllabi to complete the course successfully. All students must take an online course to graduate. On-line classes are reserved for juniors and seniors, except Health for freshman and Proverbs for sophomores or special permission from guidance department. Health is available for all grades. **Not all classes are offered every semester. Students can select course desired and guidance will inform students if available.**

Africa: Continent In Crisis: Online

- 1/2 credit (1 semester)
- Prerequisite: B or higher in previous social science course.
- Develop an awareness of current issues in Africa and how we should respond.
- Study a culture completely different than ours and learn about the incredible ways God show his strength and love, amidst all of the outrageous crises plaguing these nations.
- This class fulfills 1/2 credit of Social Science and is weighted.

Honors Current Social Issues: Responding To God At Work In Our History: Online

- 1/2 credit (1 semester)
- Prerequisite: B or higher in previous social science course.
- Build an awareness of the world around us.
- Look at how other cultures are evolving and interacting within themselves, as well as how they are impacting other nations.
- Focus on current issues, giving specific attention to how God is moving within different countries and people groups.
- This class fulfills 1/2 credit of Social Science and is weighted.

Making of a Leader: Online

- 1/2 credit (1 semester)
- The focus of this course is to lay a foundation for leadership through study and experience.
- Examine concepts and practices of Leadership through Bible study, reading, and personal practice.
- Much of the course revolves around responding to the selected course readings.
- This class fulfills 1/2 Elective credit and/or Social Science credit.

Proverbs: Putting Wisdom into Practice: Online

- 1/2 credit (1 semester)
- An in-depth and practical study of the book of Proverbs.
- Learn about wisdom, in the Biblical sense. It is more than just accumulating knowledge, even knowledge about God.
- It's experiential and more. It's about experiencing God through making wise choices.
- Be challenged to put what you are learning into practice in your relationships through "spiritual exercises" that will be done and discussed as a class.
- This class fulfills 1/2 Elective credit.

Psalms and Prayer: Online

- 1/2 credit (1 semester)
- An in-depth study of the Psalms.
- Learn how to develop a deeper prayer life.
- Class is structured to be a “devotional” experience, using lots of interaction with the Scriptures and the Lord.
- Gain an expanded understanding of what prayer is.
- Several prayer forms will be learned.
- This class fulfills 1/2 Elective credit.

The Quest: Living a Life Called By God: Online

- 1/2 credit (1 semester)
- Prerequisite: B or higher in previous Bible course
- A study of people who have gone before us and made a real impact for God in the world.
- Learn about ways to discover what God is calling you to do.
- This class will be very discussion oriented.
- This class fulfills 1/2 Elective credit.

Honors The Book of Revelation: Online

- 1/2 credit (1 semester)
- Prerequisite: B or higher in previous Bible course
- In-depth study of the book of Revelation.
- Explore the different models of interpretation while the student examines and communicates their own tradition’s viewpoint.
- Significant reading will be involved.
- This class fulfills 1/2 Elective credit.

Through the Creative Lens: Online

- 1/2 credit (1 semester)
- Designed to break out of Church education and into an artistic view of the God who creates and destroys, speaks and remains silent.
- Covers a wide range of expression: including paintings, music, poetry, photography, and fiction, in order to broaden our own concepts of an Almighty God.
- Study how others interacted with God through creativity, explore how they understood him and tap into your own creativity as a means to love God.
- This class fulfills 1/2 credit of Fine Arts or elective.

Health: Online

- 1/2 credit (semester)
- Web-based, interactive class.
- Designed to explore the basics of living a physically, mentally, socially, and spiritually healthy life.
- General areas of study include the human body systems, nutrition, fitness, diseases, stress, first aid, conflict resolution and spiritual maturity.
- Specific attention given to investigating relevant issues and concerns such as eating disorders, depression, suicide, STD’s, cancer, aborting, abstinence, drug/alcohol, and grief from a Biblically-based perspective.
- Class is divided by gender.

Ephesians & Philippians: Online

- 1/2 credit (semester)
- Required on-line course for all seniors.
- This course is specifically developed for seniors.
- Students will be exploring their identity & walk with Christ & learning how Ephesians and Philippians weave life impacting Biblical truths for their lives after high school.
- Students meet two days a week with Bible teacher for enrichment activities and discussion.

Fine Arts

Concert Choir*

- 1/2 credit (full year, three days per week)
- Emphasis is on development and good vocal techniques.
- Introduction to various musical styles and musical styles for different periods of history.
- Concerts are scheduled so students can perform and present musical techniques learned and a chance to express the beauty of the music and their praise to God. Concert performances and competitions are required as part of the course requirement and represent a percent of a student's grade.

Honors Vocal Ensemble*

- 1/2 credit (full year, two days per week)
- Prerequisite: Complete an application and audition
- Vocal ensemble is for those musicians who desire a wider variety of vocal repertoire.
- This group performs in local churches and service clubs as a ministry outreach of school.
- Opportunities for individual and group competitions.

**Students are able to participate in both Choir and Vocal Ensemble. It requires one period a day for this combination.*

Band

- 1 credit (full year)
- Open to students who have had at least two years of school or private instruction or permission from the instructor on a traditional wind or percussion instrument.
- Band meets daily.
- An outreach ministry of the school with performances at concerts and several home sporting/school events.
- Opportunities for ensemble and individual competitions and festivals.
- Students enrolled in band participate in all band activities and performances as part of their grade.

Introduction to Art

- 1 credit (full year)
- \$25 Fee
- An introduction to drawing, painting, design and sculpture.
- Students learn that creativity is a gift from God, which can provide a visual means to glorify Him.
- This class is a prerequisite for any other art class.

Sculpture

- 1/2 credit (Semester)
- \$25 Fee
- Prerequisite: Intro to Art
- A student may take one or both sculpture classes.
- Designed for students wanting to explore three-dimensional art.
- The student's creativity and imagination is stretched to new places involving various media including wire, nature, paper, paper mache, clay and others.

Drawing & Painting

- 1/2 credit (Semester)
- \$25 Fee
- Prerequisite: Intro to Art
- Drawing & Painting classes can be taken independently or a student may take both.
- Course is for the student who wants to develop drawing and painting skills.
- Drawing portion will focus on fundamental skills, composition, value and form, using graphite, charcoal, and ink.
- Painting emphasis will be on developing color skills and techniques in watercolor, washes, and acrylic, with concentration on still life, landscape, and abstract themes.

Beginning Ceramics

- 1/2 credit (Semester)
- \$25 Fee
- Prerequisite: Intro to Art
- Introductory course covering the basics of the ceramic arts.
- Students explore techniques in hand building and wheel throwing while learning how to express themselves through clay.
- Emphasis is placed on form, texture, technique and style.
- Isaiah 64:8 is studied.

Advanced Ceramics

- 1/2 credit (Semester)
- \$25 Fee
- Prerequisite: Beginning Ceramics
- Further study in the ceramic arts with more focus on the wheel, as well as independent work.

Yearbook

- 1/4 credit, full year
- Prerequisite: 10-12 graders
- Prerequisite: Approved by Technology & Art Department

Independent Art Study

- 1/2 credit (semester)
- \$25 Fee
- Prerequisites: Introduction to Art and one full year of another art class. (Sculpture, Painting and Drawing, OR Ceramics.) Instructor and administration approval required for acceptance into this class.
- This is an independent course designed for seniors and juniors second semester who are preparing for a portfolio for art school admission. Specifically helps students through creating an individual style, as well as an artist's statement.
- Students must provide project ideas and time tables for completion.
- Periodic after school meetings with instructor are required.
- Students will also evaluate different art schools, both private and public.

Media Arts & Design

- 1 credit (full year)
- \$50 fee
- Prerequisites: Must be able to type 30 WPM or better. Must have completed Introduction To Art and/or have prior approval from instructor.
- Course will cover the various aspects of design utilizing the power of state of the art software, Adobe® Illustrator® CS5 and Adobe® Photoshop® CS5 software.
- Students will begin with the basics of the software and continue through more advanced skills and concepts. This class will be almost entirely project based.
- Students will explore and create their own content to demonstrate their mastery of the tools offered by both software packages.
- Students will explore and discover the basics of photography, digital design, and media marketing.

CAD I (Computer-Aided Design)

- 1 credit (full year)
- \$50 fee
- Prerequisite: Students must have completed Geometry and teacher recommendation. This course is available for sophomore - senior students.
- Class size is limited to 15 students.
- Students will learn the fundamentals of 2D sketching, 3D design and assembly in SolidWorks, a leading 3D mechanical CAD program used by engineers and designers in major companies worldwide.
- Course will be project based allowing students to design their own parts based on modeling techniques and manufacturing applications taught in class.
- Course can apply for Fine Art credit.

CAD II (Computer-Aided Design)

- 1 credit (full year)
- \$50 fee
- Prerequisites: C or better in CAD I
- Designed to make SolidWorks users produce at a quicker pace using SolidWorks Simulation Bundle.
- An in-depth coverage on the basics of Finite Element Analysis, covering the entire analysis process from meshing to evaluation of results for parts and assemblies.
- Other areas of instruction – linear stress analysis, gap/contact analysis, mold design and how to use the Mold Tools to design.

Foreign Language

French 1

- 1 credit (full year)
- Prerequisite: B in English 8 or C in English 9, 10 or 11
- This course follows a communicative emphasis in learning of French.
- Through diverse media, students listen, speak, read, and write language that is used in everyday settings in France.
- Emphasis is on vocabulary building with a contextual presentation of grammatical structures.
- French art is introduced.
- Culture is studied from a Christian worldview.
- Students memorize Bible verses and begin to learn to express their faith in French.
- Some years a cultural trip to France is available during ESM week. Dates for the next trip will be announced at a later time. This is an opportunity provided for students, but is not a requirement.

French 2

- 1 credit (full year)
- Prerequisite: C in French 1
- French II continues to build vocabulary and strengthens foundational skills.
- Students work independently and cooperatively to achieve interactive communication in various settings.
- Conversations involve everyday life and cultural activities in France and Canada.
- The use of media enhances students' exposure to the language and culture.
- French art and history are further explored.
- Further memorization of Bible verses and improved skill in the language allows for a better expression of Christian faith in French.
- Some years a cultural trip to France is available during ESM week. Dates for the next trip will be announced at a later time. This is an opportunity provided for students, but is not a requirement.

Honors French 3

- 1 credit (full year)
- Prerequisite: A in French 2 and Honors Faculty Committee recommendation.
- Students solidify their knowledge of the French language. They continue to build a vocabulary that centers on everyday items and events.
- The grammatical structures become more complex as more verb tenses are learned.
- Students become adept at listening, speaking, reading and writing.
- French art and history are explored.
- Better self-expression is a goal in this course.
- Along with the continued memorization of Bible verses, students are able to express their testimony in French.
- Some years a cultural trip to France is available during ESM week. Dates for the next trip will be announced at a later time. This is an opportunity provided for students, but is not a requirement.

Honors French 4

- 1 credit (full year)
- Prerequisite: B in Honors French 3 and Honors Faculty Committee recommendation.
- Vocabulary building continues, as well as a very detailed synthesis of grammar in the context of literature read in class.
- Students read aloud, converse with each other and attempt to broaden their command of the language.
- Working with partners, students role play and practice their communication skills.
- They study authentic French literature in the context of history.
- Some years a cultural trip to France is available during ESM week. Dates for the next trip will be announced at a later time. This is an opportunity provided for students, but is not a requirement.

Spanish 1

- 1 credit (full year)
- Prerequisite: B in English 8 or C in English 9, 10 or 11
- This is a study of basic pronunciation, grammar, vocabulary and memorization of dialogues relevant to daily communication.
- Features an introduction into Hispanic culture through country studies and current events.
- Prayer memorization in Spanish.

Spanish 2

- 1 credit (full year)
- Prerequisite: C in Spanish 1
- Students continue to learn listening, speaking, reading and writing skills.
- More exact pronunciation is stressed and more advanced writing skills are developed leading to a more spontaneous, yet, conscious control of the language.
- Language design and its integration with Hispanic culture are studied in more depth.
- Bible verses are memorized in Spanish.

Honors Spanish 3

- 1 credit (full year)
- Prerequisite: A in Spanish 2 and Honors Faculty Committee recommendation.
- Course explores the advanced grammar system of the language.
- Emphasis is placed on fluency and facility in oral expression and in reading and writing skills through structure drills, dialogue, discussion, advanced writing practice and the reading of short stories.
- No English is spoken in this class.

Honors Spanish 4

- 1 credit (full year)
- Prerequisite: B in Honors Spanish 3 and Honors Faculty Committee recommendation.
- Continued vocabulary and grammar building in the context of literature and current events read in class.
- Students read aloud, converse with each other and write to further develop their command of the language.
- Further study of Spain and selected Latin American countries enhance Hispanic cultural appreciation.
- No English is spoken in this class.

Language Arts

English 9

- 1 credit (full year)
- The course emphasizes mastery of standard English grammar during the first quarter.
- Students are given an introduction of all types of English literature (short stories, poetry, drama, film and novel) and critical elements of English literature.
- Students are challenged to improve writing skills and master shorter essays.
- Students are expected to learn and utilize vocabulary from given works of literature.
- Shorter (3-5 pages) essays and a research paper (5-7 pages) are required.

Honors English 9

- 1 credit (full year)
- Prerequisite: A in 8th grade Language Arts and Honors Faculty Committee recommendation.
- Students are challenged to grow in analytical writing and evaluation of works of literature, comparing them to a Christian worldview.
- Writing assignments (multiple long essays as well as a research paper) prepare the student for college –level writing offered through PSEO program during junior and senior years.
- Students use all genres of literature in their studies of English.
- Experiences include independent reading, active reading, open-ended essay writing, and projects focused upon exploration and discovery to discern literature’s relevance to life.

English 10

- 1 credit (full year)
- English Literature & Composition
- Course is a continued integrated study of English literature and grammar.
- Concentration on the analysis of poetry, short story, essay and the novel; non-fiction emphasis.
- Reinforce composition skills in the areas of sentence structure, paragraph development, essay and research writing.
- Vocabulary building and grammar are further developed.

Honors English 10

- 1 credit (full year)
- Prerequisite: A in English 9 or B in Honors English 9 and Honors Faculty Committee recommendation.
- Designed to build upon previous knowledge and skills learned in Honors English 9: grammar, vocabulary, literary terms and analysis, writing, and Biblical thought.
- The students read from a variety of genres, specifically poetry, literary criticisms, and the novel; non-fiction emphasis.
- Students analyze and compare various texts with their understanding of God.
- A mastery of the literary essay is a major goal.
- Students are expected to read a greater volume of literature than English 10 students and to do so independently.
- Students are expected to have a working knowledge of grammar, to have an extensive vocabulary, to be advanced writers, and to be consummate readers.

English 11

- 1 credit (full year)
- American Literature and Composition
- Emphasizes the integration of reading, writing, speaking and listening. These elements are studied in the context of the values expressed in American literature from the pre-colonial days to the present age.
- Students continue to develop a Biblical filtering system which they use to evaluate all forms of Media, both fiction and nonfiction.
- Students employ journaling, vocabulary development, essay writing and research as they develop a Biblical view of the art of language.
- A longer research paper is required (10-15 pages).

English 12

- 1 credit (full year)
- Emphasizes the study of British literature, composition, grammar and vocabulary.
- Designed to prepare students for the college learning experience.
- Students analyze and compare various forms of British literature, learn to appropriately answer the essay question, reinforce grammar skills and complete a research paper; non-fiction emphasis.
- All values are examined in the light of Scripture.

Honors College English 11 or 12 (Urbana University Dual Enrollment/PSEOP)

- See Early College Program on pages 28 & 29.

Honors College Literature (Urbana University Dual Enrollment/PSEOP)

- See Early College Program on pages 28 & 29.

General English 9*

- 1 credit (full year)
- Present the fundamentals of the English language.
- Students will increase their knowledge of grammar, vocabulary, literature, and writing.
- Objective is for students to comprehend the relationship between their knowledge of our language, God’s Word, and the world we live in.
- Students will be placed into this class by teacher and administrative recommendation only.

General English 10*

- 1 credit (full year)
- Build upon the skills taught in General English 9.
- Students are expected to demonstrate competency in the areas of grammar, vocabulary, literature, and writing.
- Students develop their ability to analyze and evaluate the written word.
- Students will be placed into this class by teacher and administrative recommendation only.

General English 11-12*

- 1 credit (full year)
- Build upon the skills taught in General English 10.
- Students are expected to continue demonstrating competency in the areas of grammar, vocabulary, literature, and writing.
- Students will be placed into this class by teacher and administrative recommendation only.

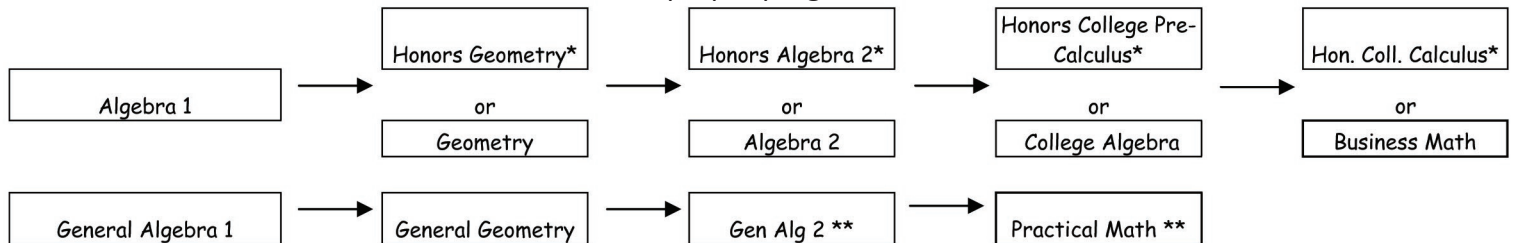
* **General courses are need based and by recommendation only. These courses may not be available every year.**

Oral Interpretation (Speech)

- 1/2 credit (semester)
- Prerequisite: must be a junior or senior
- Designed to acquaint the students with the basic principles of communication and to equip them with skills and knowledge so that they are adequately prepared to speak in a variety of situations.
- Students are introduced to presentation software and technology to enhance their communication skills.

Mathematics

Use the chart below to assure proper progression of Mathematics courses.



*Students must be accepted into every honors course individually. Taking one honors course does not guarantee acceptance into another.

** Students will be placed by teacher and administrative recommendation ONLY.

General Algebra 1*

- 1 credit (full year)
- This course is designed to encourage student success in algebra by providing the essential concepts and skills of a first-year algebra course.
- Includes the study of integers; solving and writing equations, inequalities, and systems of equations, factoring, rational expressions, graphing; and more.
- Each chapter includes practice with a calculator, problem solving, and a “real-life” math connection.
- A scientific calculator is required.
- Students will be placed into this class by teacher and administrative recommendation only.

General Geometry*

- 1 credit (full year)
- This course is designed to encourage student success in geometry by providing essential concepts and skills.
- Includes the study of basic geometry concepts, angles, reasoning and proofs, lines, polygons, circles, area, and more.
- Each chapter includes practice with a calculator, problem solving application, and a “real-life” math connection.
- A scientific calculator is required.
- Students will be placed into this class by teacher and administrative recommendation only.

*** General courses are need based and by recommendation only. These courses may not be available every year.**

Algebra 1

- 1 credit (full year)
- Prerequisite: B in previous math course
- Includes the study of integers, operations with polynomials, solutions of equations and inequalities, factoring, rational expressions, systems of equations, graphing and word problems.
- A Texas Instrument (TI) 84 calculator is required.

Geometry

- 1 credit (full year)
- Prerequisite: C in Algebra I
- The study of symbolic logic, deductive reasoning and applications in plane and solid geometry.
- A Texas Instrument (TI) 84 graphing calculator is required.

Honors Geometry

- 1 credit (full year)
- Prerequisite: A in Algebra 1 and Honors Faculty Committee recommendation.
- Deals with the study of symbolic logic, deductive reasoning and applications in plane and solid geometry, however it is at a deeper level and a faster pace than traditional geometry.
- A Texas Instrument (TI) 84 graphing calculator is required.

Algebra 2

- 1 credit (full year)
- Prerequisite: C in Algebra 1 and Geometry
- Reviews and expands fundamental operations with polynomials, solutions of linear, quadratic, and simultaneous equations and conic sections.
- If time allows, exponential and logarithmic functions are included.
- A Texas Instrument (TI) 84 graphing calculator is required.

Business Accounting Math

- 1 credit (full year)
- \$50 fee
- Prerequisite: Must be able to type 30 WPM or better. Must have completed three years of math.
- Project based course that will give students realistic experience in keeping accounting records for a small business.
- Students will use Microsoft Excel to practice creating a chart of accounts, perform accounts receivable and accounts payable transactions as well as balancing accounts and creating deposit tickets.
- Class will introduce students to the tax concepts, providing information such as what is and what is not “income”, whether to claim exemption from withholding and how that affects end-of-year filing, and how to complete forms.
- Students will work with online forms providing them with the most up-to-date examples, illustrations and lessons to assure their comprehension of the material covered.

Honors Algebra 2

- 1 credit (full year)
- Prerequisite: A in Geometry and Algebra 1 or B in Honors Geometry and Honors Faculty Committee recommendation.
- Reviews and expands fundamental operations with polynomials, solutions of linear, quadratic, simultaneous equations, conic sections and exponential and logarithmic functions, however it is at a faster pace and a deeper level than Algebra 2.
- A Texas Instrument (TI) 84 graphing calculator is required.

College Algebra

- 1 credit (full year)
- Prerequisite: C in Geometry and Algebra 2
- Designed for the student who wants to sharpen their math skills for college entrance exams and college placement testing.
- Includes selected algebra and geometry topics in addition to trigonometry, probability and statistics.
- A Texas Instrument (TI) 84 or higher calculator is required.

Honors College Pre-Calculus (Urbana University Dual Enrollment/PSEOP)

- See Early College Program on pages 28 & 29.

Honors College Calculus (Urbana University Dual Enrollment/PSEOP)

- See Early College Program on pages 28 & 29.

Physical Education & Health

Boys Physical Education

- 1/4 credit (semester)
- Reinforces the development of healthy lifestyles through physical fitness, nutrition and recreation activities.
- Concentrates on team and individual sports, rules and actual participation.
- Biblical principles that teach the body is a temple of the Holy Spirit are emphasized.

Girls Physical Education

- 1/4 credit (semester)
- Same description as Boys Physical Education above

Alternative Sports Physical Education

- Students who complete two (2) seasons of school sponsored athletics or cheerleading have the option of waiving the physical education requirement for graduation.
- Students will not receive credit for these activities and will still need to meet required credits for graduation.
- Students must take another half credit (.50) in another course of study in place of physical education classes.

Health—Online

- 1/2 credit (semester)
- Web-based, interactive class.
- Designed to explore the basics of living a physically, mentally, socially, and spiritually healthy life.
- General areas of study include the human body systems, nutrition, fitness, diseases, stress, first aid, conflict resolution and spiritual maturity.
- Specific attention given to investigating relevant issues and concerns such as eating disorders, depression, suicide, STD's, cancer, aborting, abstinence, drug/alcohol, and grief from a Biblically-based perspective.
- Class is divided by gender.

College Wellness (Urbana University Dual Enrollment/PSEOP)

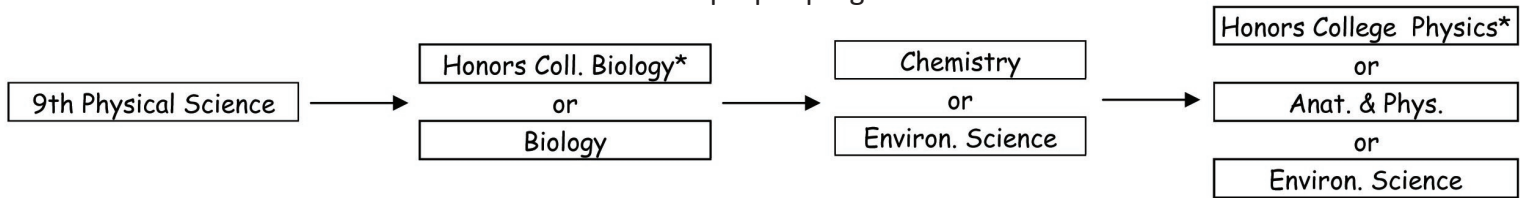
- See Early College Program on pages 28 & 29.

Fitness Education

- 1/4 credit (ESM Week)
- Reinforces the development of a healthy lifestyle through physical fitness, nutrition and recreational activities.
- There is 24 hours of logged exercise required outside of class to be completed by the end of the fourth quarter.
- Class may be taken only once.

Science

Use the chart below to assure proper progression of Science courses.



*Students must be accepted into every honors course individually. Taking one honors course does not guarantee acceptance into another.

Physical Science

- 1 credit (full year)
- A required course for all 9th graders.
- Designed as a beginning course to our upper level science courses.
- Two major areas of instruction are physics and chemistry.
- Students will learn about the physical systems, concepts, and principles that describe and predict physical interaction and events in the natural world.
- Students will demonstrate and understand the structure and properties of matter, the properties of materials and objects, chemical reactions and the conservation of matter.
- Students will understand the nature, transfer and conservation of energy, motion and the forces affecting motion, and the nature of waves and interactions of matter and energy.
- The history of man from a biblical perspective will be studied.

Environmental Science

- 1/2 credit (semester) online
- This practical science class involves an examination of the environmental interaction between human, animal, and plant life.
- Students will Biblically analyze current ecological and social issues such as recycling, alternative energy resources, habitat destruction, pollution, world hunger, ozone depletion, endangered species, and evolution versus creation.
- This course will offer an opportunity for students to realize that they are stewards of the earth and need to be aware of how their actions are impacting the environment.
- Students will recognize that the diverse and complex life all around them is a creative reflection of our loving God and the earth belongs to Him. "The heavens are Yours, and Yours also the earth; You founded the world and all that is in it." Psalm 89:11

Biology

- 1 credit (full year)
- Prerequisite: Required course for all sophomores.
- Students will demonstrate a deeper understanding of the scientific method, the structure and function of cells, cellular metabolism and protein synthesis.
- The course covers the basic principles of genetics, microbiology, protista, fungi, botany, zoology, ecology, and biblical creation.
- Laboratory investigations will be involved with some dissection. A science notebook is required.

Honors College Biology – Botany (Urbana University Dual Enrollment/PSEOP)

- See Early College Program on pages 28 & 29.

Chemistry with Lab

- 1 credit (full year - 2 periods required)
- Prerequisite: C in Geometry and Biology
- Involves the study of the basic concepts of Chemistry such as atomic structure, how and why matter reacts, acids, bases, salts, chemical kinetics, organic chemistry and nuclear chemistry.
- Laboratory work is included in most of the areas of study to give the student first-hand experience.
- A Texas Instrument (TI) 84 graphing calculator is required.

Honors College Physics/General Physics I (Urbana University Dual Enrollment/PSEOP)

- See Early College Program on pages 28 & 29.

Anatomy and Physiology (Urbana University Dual Enrollment/PSEOP)

- See Early College Program on pages 28 & 29.

Social Sciences

World History - Events and Leaders that Changed Our World

- 1/2 credit (semester)
- Prerequisite: Recommended course for all freshman.
- A study of leadership guided by biblical principles set the stage as students look at how decisions made by leaders have affected the course of countries and our world.
- The study begins with the monarchs in Europe of the 19th & 20th century; the rise of Communism and Socialism and concludes with the Vietnam Era.
- Students will analyze events and leaders of the 19th & 20th and their impact on future generations of countries and world.

Africa: Continent In Crisis: Online

- 1/2 credit (1 semester)
- Develop an awareness of current issues in Africa and how we should respond.
- Study a culture completely different than ours and learn about the incredible ways God show his strength and love, amidst all of the outrageous crises plaguing these nations.
- This class fulfills 1/2 credit of Social Science and is weighted.

Honors Current Social Issues: Responding To God At Work In Our History: Online

- 1/2 credit (1 semester)
- Build an awareness of the world around us.
- Look at how other cultures are evolving and interacting within themselves, as well as how they are impacting other nations.
- Focus on current issues, giving specific attention to how God is moving within different countries and people groups.
- This class fulfills 1/2 credit of Social Science and is weighted.

Making of a Leader: Online

- 1/2 credit (1 semester)
- The focus of this course is to lay a foundation for leadership through study and experience.
- Examine concepts and practices of Leadership through Bible study, reading, and personal practice.
- Much of the course revolves around responding to the selected course readings.
- This class fulfills 1/2 Elective credit and/or Social Science credit.

Current Social Issues

- 1/2 credit (semester)
- Prerequisite: Juniors and seniors only
- Presents the students with the contrast between a Christian and Humanistic perspective of society and it's problems.
- Current social issues such as the disintegration of the family, life and death issues, and medical advances are examined in light of Christianity and faith.

American History

- 1 credit (full year)
- Prerequisite: Required course for all sophomores.
- Designed to give students a better understanding of American History: 1890's on.
- Considers the political, economic, social and cultural development of the United States; with special emphasis given to foreign policy and the United States involvement in world events.

Middle East Studies

- 1/2 credit (one semester)
- Designed to give students a better understanding of the Middle East, including its history and the religions of Judaism, Christianity and Islam.
- Starting in ancient history with Abraham we trace the birth of Jewish and Arabic history & their religions, continue with Christianity and end with Israel and world events in the 20th century.
- Emphasis is given to Biblical scriptures, including prophecies, of this region and peoples.

American Government

- 1/2 credit (semester)
- Prerequisite: Seniors only
- Includes a study of American Government at the national, state and local levels and its complex inner-workings, checks and balances, political responsibilities, structure, functions and authority.
- Students learn their responsibilities to government, how to Biblically analyze and evaluate political issues and how to influence government.

Honors College American Government (Urbana University Dual Enrollment/PSEOP)

- See Early College Program on pages 28 & 29.

Honors Western Civilization II (Urbana University Dual Enrollment/PSEOP)

- See Early College Program on pages 28 & 29.

Economics

- 1/2 credit (semester)
- Prerequisite: Seniors only
- Designed to assist the student in making sound Biblical decisions concerning finances.
- The knowledge and skills of this course will help provide the student with valuable tools to be a good steward for the remainder of life.
- Student gains an understanding of the role economics plays in the world.

Introduction to Counseling

- 1/2 credit (semester)
- Prerequisite: Juniors or seniors only
- Designed to give the student Biblical principles that form a foundation for the counseling process.
- Provides a Biblical framework to assist the student in evaluating the problems of life.

Honors College Psychology (Urbana University Dual Enrollment/PSEOP)

- See Early College Program on pages 28 & 29.

Technology

*If a student feels that it would be a benefit to have extra keyboard practice time he/she can arrange for independent keyboard study course, in the computer lab. Troy Christian Schools will provide the keyboarding resources and lessons.

Computer Applications 1: Word Processing, PowerPoint & Excel

- 1/2 credit (semester)
- \$25 fee
- Prerequisite: Must be able to type 30 WPM or better.*
- Students will utilize Microsoft Office 2007 Word, PowerPoint and Excel applications to master basic concepts and techniques of word-processing, presentation and spreadsheet software.
- Topics include: Creating and Editing a Word Document, Creating a Research Paper Using MLA Style, Creating a Resume and Cover Letter with a Table, Creating and Editing a PowerPoint Presentation, Creating a Presentation with Illustrations and Shapes, Creating a Worksheet and an Embedded Chart and Formulas, Functions, Formatting and Web Queries.

Computer Applications II: Advanced Word Processing, PowerPoint & Excel

- 1/2 credit (semester)
- \$25 fee
- Prerequisite: Successful completion of Computer Applications I or pass a Computer Applications I and Must be able to type 30 WPM or better.*
- Students will utilize Microsoft Office 2007 Word, PowerPoint and Excel applications to master advanced concepts and techniques of word-processing, presentation and spreadsheet software.
- Topics include: Creating a Document with a Title Page, Table, Chart, and Watermark, Generating Form Letters, Mailing Labels and Directories, Creating a Presentation with custom Backgrounds and SmartArt Diagrams, Collaborating on and Delivering Presentations, Financial Functions, Data Tables, and Amortization Schedules, and Creating, Sorting and Querying a Table.

Advanced and Independent Technology Courses

Web Design & Development

- 1/2 credit (semester)
- \$25 fee
- Prerequisite: Must be able to type 30 WPM or better.*
- Course will provide students an introductory overview of HTML, XHTML, and CSS.
- Students will learn how to create Web pages suitable for course work, professional purposes and personal use. Students will become proficient in formatting WebPages, adding graphics, adding links, creating an image map, tables, frames, forms, and formatting style sheets.

Media Arts & Design

- 1 credit (full year)
- \$50 fee
- Prerequisites: Must be able to type 30 WPM or better. Must have completed Introduction To Art and/or have prior approval from instructor.
- Course will cover the various aspects of design utilizing the power of state of the art software, Adobe® Illustrator® CS5 and Adobe® Photoshop® CS5 software.
- Students will begin with the basics of the software and continue through more advanced skills and concepts. This class will be almost entirely project based.
- Students will explore and create their own content to demonstrate their mastery of the tools offered by both software packages.
- Students will explore and discover the basics of photography, digital design, and media marketing.

Programming for Game Creation & Design

- 1/2 credit (semester)
- \$25 fee
- Prerequisite: Must be able to type 30 WPM or better
- Course will teach aspiring game developers how to create computer games. No previous programming skills required.
- Programming concepts are introduced in a drag-and-drop environment called Alice that is currently updated and maintained at Carnegie Mellon University.
- Some of the concepts covered are classes, objects, expressions, parameters, methods, conditionals, iteration, concurrency, and events.
- Students will create a variety of games during this course.

PC Repair / A+

- 1 credit (full year)
- \$50 fee
- Prerequisite: Director of Technology approval
- Course maps fully to CompTIA's 2009 A+ Exam objectives.
- Students will be instructed in the fundamentals of supporting and troubleshooting computer hardware.
- Course will prepare students to successfully pass the A+ 220-701 and 220-702 exams.
- Students will be able to utilize LabSim to practice basic skills to properly install, build, upgrade, repair, configure, troubleshoot, optimize and diagnose problems with PC hardware and operating systems. LabSim is a full-scale software program allowing students to move freely through a safe, simulated environment to help them master hardware and software skills even without access to actual computer.

CAD I (Computer-Aided Design)

- 1 credit (full year)
- \$50 fee
- Prerequisite: Students must have completed Geometry and teacher recommendation. This course is available for sophomore - senior students.
- Students will learn the fundamentals of 2D sketching, 3D design and assembly in SolidWorks, a leading 3D mechanical CAD program used by engineers and designers in major companies worldwide.
- Course will be project based allowing students to design their own parts based on modeling techniques and manufacturing applications taught in class.
- Course can apply for Fine Art credit.

CAD II (Computer-Aided Design)

- 1 credit (full year)
- \$50 fee
- Prerequisites: C or better in CAD I
- Designed to make SolidWorks users produce at a quicker pace using SolidWorks Simulation Bundle.
- An in-depth coverage on the basics of Finite Element Analysis, covering the entire analysis process from meshing to evaluation of results for parts and assemblies.
- Other areas of instruction – linear stress analysis, gap/contact analysis, mold design and how to use the Mold Tools to design.

C++: Online

- 1 credit (full year)
- \$50 fee
- Prerequisite: Successful completion of Information Technologies or instructor's approval.
- Internet based independent study course, which will introduce you to C++.
- The following topics will be covered: Introduction to computers, how computers are programmed, entering, compiling, and running a program, variables and constants, Math operation, strings and screen I/O, decision making in programs, loops, functions, pointers, enum, and structures, data file basics, object oriented programming, string functions and using a string class, arrays, templates and vectors, multi-dimensional arrays and matrices, introduction to linked lists, stacks, queues, and trees, recursion and searching and sorting.
- Students will have the ability to work on class materials off campus if necessary.

Visual Basic: Online

- 1 credit (full year)
- \$50 fee
- Prerequisite: Successful completion of Information Technologies or instructor's approval
- Internet-based independent study course, which introduces the student to Visual Basic and the basic features required to write useful Windows programs.
- In the first lesson, the student plays a game written in Visual Basic. In the last lesson, the student learns how to create the game played in the first lesson. The student also enhances the game.
- In the lessons in between, the student learns all the fundamentals of programming in Visual Basic while creating multi-disciplinary projects.
- The course objectives are to obtain knowledge of Window-based programming; to become comfortable with the concept and vocabulary of computer programming; master concepts such as event-driven programming and working with objects.
- Students will have the ability to work on class materials off campus if necessary.

Student Technology Assistance Team

- 1 credit (full year)
- Prerequisite: Director of Technology approval
- Students are assigned to the help desk and perform maintenance on equipment, assist the teaching staff with technology related questions or research projects and help in the computer lab.
- Mentor younger students who are interested in technology.
- The student must be available occasionally before or after school hours for training sessions.
- Perks include training on and use of all new equipment and software programs and the satisfaction of helping others.

Business Accounting Math

- 1 credit (full year)
- Prerequisite: Must be able to type 30 WPM or better.* Must have completed three years of math.
- \$50 fee
- Prerequisite: Must be able to type 30 WPM or better.* Must have completed three years of math.
- Project based course that will give students realistic experience in keeping accounting records for a small business.
- Students will use Microsoft Excel to practice creating a chart of accounts, perform accounts receivable and accounts payable transactions as well as balancing accounts and creating deposit tickets.
- Class will introduce students to the tax concepts, providing information such as what is and what is not "income", whether to claim exemption from withholding and how that affects end-of-year filing, and how to complete forms.
- Students will work with online forms providing them with the most up-to-date examples, illustrations and lessons to assure their comprehension of the material covered.

Other Courses

Internship and Teaching Practicum

- 1/2 credit (per practicum, per semester)
- Prerequisite: Senior, application, 2 periods
- Special program for the student who is serious about experiencing hands on opportunities and learning in a specialized area that can enhance their post-secondary experience.
- Research paper and project required.
- Students will be placed into this class by administrative recommendation only.

Early College Program

Troy Christian High School recognizes that many high school students are ready for the rigors of college courses. Students in 11-12 grades may select from thirteen college courses offered on TCHS's campus or select a college or university off campus. Students in 9-10 grades may select from two college courses offered on TCHS's campus. After successful completion of a course, a college transcript is issued by selected college.

- Students can earn up to 45 semester credit hours on TCHS's campus.
- Ninety-eight percent of students stay on campus for their early college experience.
- Students have college courses taught by Christian educators.
- Students can take college courses and continue to experience all the advantages of high school life at Troy Christian – chapel, ESM Week, missions, service and leadership opportunities, and extracurricular activities in a Christ-centered learning environment.
- Early college program on TCHS's campus follows TCHS's calendar.
- All college courses are honors courses and are weighted unless noted differently. (College courses have replaced many of our traditional honors & Advanced Placement (AP) courses previously offered. AP testing is available. Students must meet with the Guidance Director in fall to discuss).
- Many students are entering college with more than 28 semester credit hours.
- There are huge college financial savings.

College courses are available through the Post Secondary Enrollment Option Program (PSEOP) and/or the Dual Enrollment Program. **Students can participate in both programs.**

Troy Christian College Faculty

College classes are taught by Troy Christian faculty approved as adjunct instructors by Urbana University. Each faculty member teaching a college course has earned his or her Master's degree; has experience teaching the content area; has successfully completed summer training with Urbana University; and meets all requirements set by the Ohio Board of Regents to teach college courses at the high school level. Troy Christian has eight highly qualified adjunct teachers.

Post Secondary Enrollment Option Program (PSEOP)

This is an opportunity for 9-12* grade students to enroll in college classes and fulfill both high school and college academic requirements. Students can attend a college or university off campus or enroll in classes on TCHS's campus offered by Urbana University.

PSEO classes and textbooks are paid by the Ohio Department of Education. Any student considering the PSEOP must have at least one parent attend the Parent Information Meeting required by the Ohio Department of Education and complete the required paperwork. A student must meet the requirements of both the Ohio Department of Education and TCHS to participate in the program and be accepted by Urbana University. Students can participate in the PSEOP at a college or university off campus but **students can only enroll in one college or university for the PSEOP.***

The Ohio Department of Education (ODE) determines how many semester credit hours each student applying will receive. Students are notified in the summer by ODE. Seniors usually receive 8 semester credit hours and juniors 4 or 8 semester credit hours.

*9 & 10 grade students may only participate in PSEOP on TCHS's campus.

Dual Enrollment Program

This is an opportunity for 9-12 graders to enroll in college classes and fulfill both high school and college academic requirements. These courses are offered on TCHS's campus through our partnership with **Urbana University**. Students are charged a very reasonable cost per credit hour and Troy Christian pays for books/resources required.

PSEOP and Dual Enrollment Requirements

Urbana University & TCHS PSEOP acceptance requirements:

- 3.0 cumulative grade point average in all high school work attempted through the end of the academic year prior to enrollment, except ninth graders. Ninth graders must have a 3.3 GPA.
- PLAN/PSAT/ACT/SAT score results.
- A completed Urbana University application (on TCS website) with a \$25 application fee. Return registration fee and application to TCHS's main office.
- A letter of recommendation from Guidance Counselor.
- High school transcript.

- ew • 3.00 cumulative grade point average in high school work attempted through the end of the academic year prior to enrollment, except ninth graders. Ninth graders must have a 3.3 GPA.
- A completed Urbana University application (on TCS website) with a \$25 application fee. Return registration fee and application to TCHS's main office.
- A letter of recommendation from Guidance Counselor.
- High School Transcript.
- Tuition paid in August with TCS's book fees. Cost - \$89/credit hour.

Urbana University PSEOP and Dual Enrollment Course Offerings

9th-12th

- **Wellness and Health** – 3 semester credit hours (semester) Not weighted. In coming ninth graders will need a science and English teacher recommendation for college-readiness and a 3.3 GPA. This course meets state graduation requirement for health.

10th-12th

- **Biology (Botany)** – 4 semester credit hours (full year)
Prerequisite: B or higher in all science courses and at least one year of a completed science course.
This course meets state graduation requirement for science.

11th- 12th

- **American Government** -3 semester credit hours (semester)
Prerequisite: B or higher in previous history courses.
This meets the state high school graduation requirement for American Government
- **Western Civilization II** – 3 semester credit hours (semester)
Prerequisite: B or higher in previous history courses.
This meets the state high school graduation requirement for a history elective.
- **Basics of Composition** – 3 semester credit hours (semester)
Prerequisite: B or higher in previous English courses.
- **Intermediate Composition** – 3 semester credit hours (semester)
Prerequisite: Basics of Composition.
These two courses are taken back to back and meet state graduation requirement for English 11 or 12.
- **Physics** – 4 semester credit hours (full year) 2 periods required
Prerequisite: B or higher in Pre-Calculus and previous science courses.
This course meets state graduation requirement for science.
- **Pre-Calculus** – 4 semester credit hours (full year)
Prerequisite: B or higher in Algebra, Algebra II, Geometry.
This course meets state graduation requirement for math.
- **Calculus 1**– 4 semester credit hours (semester)
Prerequisite: B or higher in Pre-Calculus
- **Calculus 2** – 4 semester credit hours (semester)
Prerequisite: Calculus 1
These courses meet state graduation requirement for math.
- **General Psychology** – 3 semester credit hours (full year)
Prerequisite: B or higher in history courses.
This course meets state graduation requirement for an elective.
- **General Anatomy and Physiology 1** – 4 semester credit hours (full year)
Prerequisite: B or higher in previous science courses if doing PSEOP.
- **Basics of Literature** – 3 semester credit hours (full year)
Prerequisite: Basics of Composition and Intermediate Composition.

- Students may take any of the above courses as honors courses without college credit at no cost.
- Returning Dual Enrollment Urbana University students, in good academic standing, will not need to reapply.
- Visit TCS's website for details.

Troy Christian Schools, Inc., admits students of any race, color, national or ethnic origin to all the rights, privileges, programs and activities generally accorded or made available to students at the school. It does not discriminate on the basis of race, color, national and ethnic origin in administration of its educational policies, scholarship and loan programs, and athletic and other school administered programs.