



**THE BROOK HILL SCHOOL**  
**CHRIST-CENTERED. COLLEGE PREP.**

# COURSE GUIDE

*2026-2027*

**UPPER SCHOOL**

Dear Students and Parents,

As a school community, we at The Brook Hill School are deeply committed to our mission of providing excellence in college preparatory education, while also affirming the unique gifts and challenging the potential of each of our students. We believe our students are capable of great things, and we strive to support them as they grow and develop into thoughtful, engaged members of society. In keeping with our mission, we also seek to encourage our students to honor God through Christ-like character, embodying values such as compassion, integrity, and perseverance in all that they do.

Our sincere hope is that this course selection guide will help you to identify the classes that will both inspire and challenge you, as you work towards achieving your academic goals and fulfilling your potential. As you use this guide to plan for the future, we hope that you will be inspired to dream big and work hard towards achieving your goals. Remember, we are here to support you every step of the way, and we look forward to celebrating your successes with you in the years to come.

Should you have any questions about the course selection process or registration, we're always here to help. Don't hesitate to reach out to our Academic Office at 903-894-5000, or feel free to send us an email at [abouwer@brookhill.org](mailto:abouwer@brookhill.org) or [cthompson@brookhill.org](mailto:cthompson@brookhill.org). We're committed to supporting you every step of the way.

Sincerely,

Ashley Bower and Chaundra Thomson  
Academic College Counselors  
The Brook Hill School

**COMMIT YOUR PLANS  
TO THE LORD  
WHATEVER YOU DO,  
AND YOUR PLANS  
WILL SUCCEED.**

**PROVERBS 16:3**

*We encourage you to make all course decisions through prayer and with your future goals in mind.*

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# **GRADUATION REQUIREMENTS**

## **DISTINGUISHED GRADUATION PLAN**

ENGLISH	4 credits
HISTORY	2 credits
U.S. HISTORY	1 credit
AMERICAN GOVERNMENT	½ credit
MACROECONOMICS	½ credit
MATHEMATICS	4 credits <sup>1</sup>
SCIENCE	4 credits <sup>2</sup>
WORLD LANGUAGE	3 credits <sup>3</sup>
ARTS	1 credit
BIBLE	3 credits
PHYSICAL EDUCATION	1 credit
CLASS SEMINAR	½ credit
ELECTIVES	2 ½ credits
<b>TOTAL</b>	<b>27 credits*</b>

**\*At least four credits must be from the advanced course list.**

## **RECOMMENDED GRADUATION PLAN**

ENGLISH	4 credits
HISTORY	2 credits
U.S. HISTORY	1 credit
AMERICAN GOVERNMENT	½ credit
MACROECONOMICS	½ credit
MATHEMATICS	4 credits <sup>1</sup>
SCIENCE	4 credits <sup>1</sup>
WORLD LANGUAGE	2 credits <sup>3</sup>
ARTS	1 credit
BIBLE	3 credits
PHYSICAL EDUCATION	1 credit
CLASS SEMINAR	½ credit
ELECTIVES	2 ½ credits
<b>TOTAL</b>	<b>26 credits</b>

<sup>1</sup> Must include Algebra 1, Geometry, and Algebra 2.

<sup>2</sup> Must include Biology, Chemistry, and Physics.

<sup>3</sup> World language credits must be within the same language.

# **ACADEMIC DISTINCTIONS**

The Brook Hill School recognizes seniors for outstanding academic achievement with specific graduation distinctions. These distinctions are divided into three levels: Cum Laude, Magna Cum Laude, and Summa Cum Laude.

## **Cum Laude**

A student achieving an overall Brook Hill GPA of 3.75 or above will be given the distinction *cum laude (with praise)*. Recognition of this distinction will appear on the student's transcript, and the student will be given a bronze cord to wear during graduation ceremonies.

## **Magna Cum Laude**

A student achieving an overall Brook Hill GPA of 3.75 or above and successfully completing four advanced courses will be given the distinction *magna cum laude (with great praise)*. Recognition of this distinction will appear on the student's transcript, and the student will be given a silver cord to wear during graduation ceremonies.

## **Summa Cum Laude**

A student achieving an overall Brook Hill GPA of 3.75 or above and successfully completing eight advanced courses will be given the distinction *summa cum laude (with highest praise)*. Recognition of this distinction will appear on the student's transcript, and the student will be given a gold cord to wear during graduation ceremonies.

## **Advanced Courses**

Because the following courses are AP, DC, or the highest level in the discipline, they may be used to fulfill the requirements for magna cum laude or summa cum laude.

### **Arts:**

AP 2-D Art and Design  
AP 3-D Art and Design  
AP Drawing

### **Computer Science:**

AP Computer Science A

### **Humanities:**

AP European History  
AP English Language  
AP U.S. History  
English 12 (DC)  
AP English Literature & Composition  
U.S. History (DC)  
Government (DC)

### **Math:**

AP Calculus AB (DC)  
AP Calculus BC  
AP Precalculus  
AP Statistics  
College Algebra (DC)  
Trigonometry (DC)  
Business Math (DC)  
Introduction to Statistics (DC)

### **Science:**

Honors Anatomy/Physiology  
AP Biology  
AP Chemistry  
AP Environmental Science  
AP Physics 1  
AP Physics C

### **World Language:**

AP Spanish Language  
Spanish 4 Honors

## **COURSE PLANNING WORKSHEET - Class of 2027+**

Please utilize this worksheet to plan your upper school curriculum. By completing this before your freshman year and refining/updating each following year, this planning exercise can aid in ensuring that your overall course selections communicate your level of academic challenge and college preparation.

### **8th grade\***

- 1 Algebra 1
- 2 Spanish 1

### **9th grade**

- 1 Humanities 9 - English
- 2 Humanities 9 - History
- 3 Math
- 4 Science
- 5 World Language
- 6 Arts
- 7 Athletics

### **10th grade**

- 1 Humanities 10 - English
- 2 Humanities 10 - History
- 3 Math
- 4 Science
- 5 World Language
- 6 Bible
- 7 Athletics, Arts, Elective

### **11<sup>th</sup> Grade**

- 1 Humanities 11 - English
- 2 Humanities 11 - U.S. History
- 3 Math
- 4 Science
- 5 World Language
- 6 Bible
- 7 Athletics, Arts, Elective

### **12<sup>th</sup> Grade**

- 1 English 12
- 2 Government / Economics
- 3 Math
- 4 Science
- 5 Bible
- 6 World Language
- 7 Athletics, Arts, Elective

\*Only courses taken for high school credit (Algebra 1, Spanish 1)

**In subjects where Honors or AP are offered, students are recommended for these courses based on previous year's grade, PSAT score, and teacher recommendation.**

# **REGISTRATION POLICIES & PROCEDURES**

## **ELIGIBILITY FOR REGISTRATION**

### **RETURNING STUDENTS**

The Admissions Office and Business Office will determine a returning student's eligibility to register for the following year. Once cleared through both offices, the Upper School Office will process the course request form and create a class schedule. Course placement will continue to change until school begins because of leveling, staff changes, etc.

### **NEW STUDENTS**

The Admissions Office and Business Office will determine a new student's eligibility to register for the following year. Once cleared through both offices, the Upper School Office will receive the student's completed file (including final grades from the previous school year and complete official transcript(s) documenting all high school work) and will contact the student/parents to schedule a registration appointment during one of the set New Student Registration Days. Please note that placement testing may be required. New boarding students will be contacted by their counselor to register for classes.

## **REGISTRATION PROCEDURE**

### **RETURNING STUDENTS**

Course registration is completed by students requesting courses online through their Veracross Student Portal. They will then make an appointment with the academic counselor to finalize courses.

### **Scheduling Process Timeline**

February 2-16: Course Requests will be available on the Veracross Student Portal

Counseling Appointments begin:

- February 3-20: Rising 12th grade students
- February 23-March 6: Rising 9th grade students
- March 23-April 2: Rising 11th grade students
- April 7-17: Rising 10<sup>th</sup> grade students
- August 21: Deadline to drop or add a class
- August 28: Deadline to drop a class/rigor for seniors

### **NEW STUDENTS**

Registration is completed by appointment with the academic counselor during one of the New Student Registration Days. New boarding students will be contacted individually for scheduling.

## **COURSE AVAILABILITY**

The preliminary choice of courses during the registration process helps to establish the widest range of individual choice. However, it is sometimes necessary to ask students to accept modifications to their original choice. This may be due to:

- An insufficient number of students selecting a course so that it is no longer viable
- Encountering scheduling difficulties - one course conflicting with another

We ask students to be flexible in their course selection choices. We always hope to meet students' requests to help them in their planned course of study.

## **DROP/ADD COURSE POLICY**

Ordinarily, students will not be permitted to add or drop courses after the start of the semester in which the course begins. Students are expected to be conscientious in their decision-making regarding course selection. Students, parents, teachers and the academic counselor are all involved in the process. Therefore, once a program of study has been initiated, changes to selections can occur only if:

- A student has been incorrectly placed as deemed by the school
- A student finds an elective course is not meeting his or her expectations during the drop/add period
- A student needs a specific course to qualify for college/university admission
- There is a medical reason for course change
- Credit has already been granted for the course in question
- A prerequisite for the course in question has not been met

A student may request to drop or add a course during this period by submitting a Schedule Change Request Form. A student will be required to continue attendance of the original class until the schedule change is reflected in Veracross. In addition, seniors wishing to drop a course after transcripts have been sent to colleges and universities must notify each institution of the modification to their academic program.

ALL students must have 5 academic courses to be considered full-time students.

Seniors cannot replace a 5th course after the eight-day drop deadline.

The academic counselor will review the request with the US principal prior to the change. Schedule changes initiated by the administration may occur at any time.

## **COLLEGE-MINDED COURSE SELECTION**

### **What is the best piece of advice you can give a prospective student?**

**"Take tough courses and do your best in them."**

Douglas L. Christiansen, Ph.D.  
Associate Provost for Enrollment and  
Dean of Admissions  
Vanderbilt University

**"Take ownership of this process and be sincere. Too often, students are pressured by those around them to pursue curriculums that aren't appropriate for them...because they "look good" on a college resume. I would tell a student to take advice from others, but ultimately pursue the courses...that truly motivate and inspire him or her."**

**"If you are going to do something, do it well."**

Jean Jordan, Dean of Admission  
Emory University

**"This is YOUR education and YOUR college application. Having that dedication, ownership, and sincerity will not only shine through to the admissions committee but will ultimately make for a more fulfilling high school experience."**

Jacinda Ojeda, Regional Director of Admissions  
University of Pennsylvania

### **Colleges care about which courses you're taking in high school.**

The courses you take in high school show colleges what kind of goals you set for yourself. Are you signing up for advanced classes, honors sections, or accelerated sequences? Are you choosing electives that really stretch your mind and help you develop new abilities? Or are you doing just enough to get by?

As you select your high school courses, your focus should be on satisfying requirements for graduation and upcoming college admissions. But you will also want to take courses that will stimulate you and that you will enjoy. Create a course plan that will express your interests and demonstrate your work ethic and academic ability as early as possible.

**BOTTOM LINE:** Colleges challenged to take progressively harder courses or participate will look to your courses and grades to determine whether you are academically prepared, intellectually curious, and up to the challenge of taking progressively harder courses or participating in innovative programs. So, choose classes that interest AND challenge you! Colleges will be more impressed by respectable grades in challenging courses than by outstanding grades in easy ones.

### **Senior courses DO matter.**

Colleges can (and do) revoke offers of admission if senior courses and grades do not reflect the same level of academic performance as the rest of your transcript. Do not let your academic guard down!

**"Just as you would want to be in top condition for the start of an athletic season, so, too, do you want to be in top condition for the academic season that begins in August. The habits you form now—your academic strength conditioning—will either help or hurt you in the transition from high school to college. Keep in shape for the rest of the year. We're counting on your success—next fall and beyond."**

-Stanley E. Henderson, Associate Provost, University of Illinois.

Adapted from *Position yourself in high school to get into the college of your choice* by Cynthia Hickman and *Plan Your High School Course Selections* ([www.act.org](http://www.act.org))

## **ADVANCED PLACEMENT AND DUAL CREDIT**

The Brook Hill School provides students with two paths to gaining college credit in high school: Advanced Placement and Dual Credit. These programs differ in structure but both end in the potential for college credit. Please refer to the information below for more details regarding the individual programs.

### **ADVANCED PLACEMENT (AP)**

The Advanced Placement (AP) program offers students an unparalleled opportunity to develop critical thinking skills and acquire content mastery beyond mere facts and figures. With rigorous course material, engaging classroom discussions, and demanding assignments, AP courses prepare students to meet the academic expectations of higher education institutions.

Participation in AP courses also offers the additional benefits of potentially earning college credit and distinguishing oneself in the college admission process. To receive AP credit on a student transcript and a qualifying grade bump, students must take the AP Exam at the end of the course. However, it is important to note that college credit is not automatically awarded upon successful completion of an AP course. Students may also qualify for college credit based on their outcome of this exam. Ultimately, college credit based on the outcome of the AP exam depends on the policies of individual colleges and universities.

To determine a specific institution's AP credit policies, students are advised to obtain the college's AP policy in writing, which can typically be found on the institution's website or through the College Board's AP Credit Policy Info search tool.

As AP courses are taught at a collegiate level, students should make well-informed decisions regarding their enrollment. Students are encouraged to consult course descriptions for further information on placement criteria for AP courses.

### **ADVANCED PLACEMENT (AP) COURSES OFFERED AT BROOK HILL:**

Art: 2-D Art and Design	English Literature and Composition
Art: 3-D Art and Design	Environmental Science
Art: Drawing	European History
Biology	Physics 1
Calculus AB	Physics C
Calculus BC	Precalculus
Chemistry	Spanish Language 4
Computer Science A	Statistics
English Language and Composition	US History

## **DUAL CREDIT (DC)**

Dual Credit courses allow students to get high school and college credit simultaneously. All Brook Hill Dual Credit courses are taken on our campus, are taught by Brook Hill faculty, and can be taken to receive college credit at Tyler Junior College or Colorado Christian University. All dual credit courses will appear on your Brook Hill transcript as "DC," meaning they are taught at the college level. To receive college credit a student must register with the college, meet the college's requirements, and pay tuition to the college.

### **What is the cost of a Dual Credit course?**

The high school credit portion of the course is included in Brook Hill tuition. If a student pursues college credit through TJC or CCU, he or she must also pay tuition to the college. The cost is based on whether a student lives within the district (TJC only) and how many hours he or she takes (TJC or CCU).

### **Should I pursue credit through AP or DC?**

This answer depends on several factors. Required higher education courses vary based on the student's major and where he or she plans to attend college. It is best to research specific degree plans at colleges of interest before choosing the route to earn college credit. In some instances, you can receive different credits from AP and DC. AP courses are viewed as more rigorous courses and are recommended for students pursuing competitive college acceptances. It is important for the student to decide what type of credit their college would prefer. Some colleges will not grant credit for DC or AP exam scores. AP exam credit can also differ for each individual college based on the AP score the student receives.

### **Can I change my mind about pursuing Dual Credit?**

Tyler Junior College and Colorado Christian University have set deadlines for students to withdraw from the college credit class without having a grade posted. If you withdraw from the course by this deadline, a "W" will be posted on your college transcript for the course. Withdrawing from the TJC or CCU course does not affect your enrollment in the high school credit portion of the course.

### **How do I enroll in the Dual Credit course?**

Tyler Junior College and Colorado Christian University require students to complete a specific enrollment process each semester. Students MUST complete ALL steps of the process to secure enrollment in the course.

# **DUAL CREDIT COURSES**

## **Students Must Register and Pay Tuition for Both Fall and Spring Semesters**

Courses are offered through either Tyler Junior College (TJC) or Colorado Christian University (CCU). *Payment arrangements will be made with each individual college, as Brook Hill will not send reminders or intervene as far as payment is concerned.*

### **High School Course**

College Algebra/Trigonometry  
Business Math/Statistics  
AP/DC Calculus AB

### **Dual Credit Course**

TJC Math 1314/1316 (6) Fall/Spring  
TJC Math 1324/1342 (6) Fall/Spring  
TJC Math 2413 (4) Fall

Government  
DC Adv US History  
DC English 12  
Musical Perspectives  
Music Fundamentals

CCU POL-207 (3) Fall /Spring  
CCU HIS- 205/206 (6) Fall/Spring  
CCU ENG 102/104 (6) Fall/Spring  
CCU MUS110 (3) Fall  
CCU MUS111 (3) Spring

### **Tyler Junior College**

- Apply for admission and test at TJC.
- Students must be exempt or present passing scores on the TSI before they are allowed to register for college classes. After the CA (Counselor Approval) form is signed, students will present it to TJC with payment.
- TSI Exemptions: PSAT 460 R, 510 M. SAT 480 R, 530 M. ACT 23 C, 19 M, 19 R

### **Contact Information:**

Dual Credit: dualcredit@tjc.edu / 903-510-2519  
Business Office: 903-510-2672

### **Colorado Christian University:**

Registration is online: [www.ccu.edu/dualcredit](http://www.ccu.edu/dualcredit)  
Contact Information: dualcredit@ccu.edu / 720-872-5695

# **DUAL CREDIT COLLEGE COURSE DESCRIPTIONS**

## **Colorado Christian University:**

### **POL 207 - Introduction to American Politics**

**3 Hours**

Introduction to political science and American government to prepare students to be effective citizens.

### **HIS 205 - American History/ HIS 206- The Making of Modern America**

**6 Hours**

*American History.* Principles of the founding and the political, economic, intellectual, cultural, and religious traditions that have shaped America.

*The Making of Modern America.* This course centers on the development of America politically, socially, economically, and religiously from the Civil War Era to the 20th century.

### **ENG 102 - English Composition**

**3 Hours**

English Composition. Effective use of the English language and exploration of rhetorical modes in written composition. Review of structure, purpose, and audience awareness in developing essays.

### **ENG 104 - Introduction to College Writing**

**3 Hours**

This course focuses on the development and strengthening skills of effective business and professional communication in both written and oral modes. The course includes heavy emphasis on effective research and the process of writing with a particular focus on both academic and business writing. Development of skills in research and writing of formal academic papers: critical thinking, argumentation, and documentation.

### **MUS 110 Musical Perspectives**

**3 Hours**

An exploration of music in the broader context of culture and the arts; personal musical experience through listening and doing; and developing the ability to discern aesthetic craftsmanship. Included is an introduction to the elements of music and how music works, the development of a Christian perspective on the arts, a broad survey of representative selections of Western music, and a focused overview of non-western/world music.

### **MUS 111: From Sight to Sound–Music Fundamentals**

**3 Hours**

A course exploring the fundamentals of written music and its practical application to sound, and vice versa. Students will gain a basic understanding of the piano, music notation, rhythm, harmony, and basic music theory.

## **Tyler Junior College:**

### **MATH 1314 College Algebra**

**3 Hours**

In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included. TSI Complete Math Required for Enrollment.

### **MATH 1316 Plane Trigonometry**

**3 Hours**

In-depth study and applications of trigonometry including definitions, identities, inverse functions, solutions of equations, graphing, and solving triangles. Additional topics such as vectors, polar coordinates and parametric equations may be included. TSI Complete Math Required for Enrollment

### **MATH 1324 Mathematics for Business & Social Sciences**

**3 Hours**

The application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences are addressed. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value.

### **MATH 1342 Elementary Statistical Methods**

**3 Hours**

Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of appropriate technology is recommended. TSI Complete Math Required for Enrollment

### **MATH 2413 Calculus I**

**4 Hours**

Limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas.

Prerequisite: MATH 1314/1414 and MATH 1316, or MATH 2412 with a grade of "C" or better or acceptable placement test score

## **WEIGHTED GRADES**

The Brook Hill School prides itself on being a college-preparatory school providing a comprehensive curriculum that is rigorous. Requirements for some courses are even more demanding. As such, select Honors (H), Dual Credit (DC), and Advanced Placement (AP) classes receive extra weighting. These additional values are added to the numerical average before determining the grade point average (GPA). ***Students are rewarded with extra points for choosing to take the "more advanced option," where there are different levels of courses to choose from, and for choosing certain junior and senior-level electives. Courses that meet the minimal standards for graduation do not receive extra weight.*** The following grade bumps apply to the class of 2026 and beyond.

Courses labeled Honors (H) will receive 3 extra points added to their numerical grade at the end of each semester.

Courses that have been approved through Tyler Junior College or Colorado Christian University for dual credit will receive an extra weighting of 3 points added to their numerical grade at the end of each semester.

Courses designated as AP will receive an extra weighting of 8 points added to their numerical grade at the end of each semester. All students are required to take the AP exam to receive the points and have the AP designation appear on the transcript.

The courses approved for weighting as well as H, DC, and AP status may change from year to year based upon course offerings, approval from the local colleges, and College Board audit status.

### **The following courses receive 8 extra points at Brook Hill:**

AP Art: 2-D Art and Design	AP Environmental Science
AP Art: 3-D Art and Design	AP European History/Humanities 10 English
AP Art: Drawing (AP)	AP Language & Composition (English 11)
AP Spanish Language	AP Literature & Composition (English 12)
AP Biology	AP Physics 1
AP Calculus AB (DC)	AP Physics C
AP Calculus BC	AP Precalculus
AP Chemistry	AP Statistics
AP Computer Science A	AP US History

### **The following courses receive 3 extra points at Brook Hill:**

Algebra 2 (H)	Geometry (H)
Anatomy/Physiology (H)	Government (DC)
Biology (H)	Humanities 9 (H)
Business Math/ Statistics (DC)	Orchestra (H)
Chemistry (H)	Spanish 4 (H)
Choir (H)	Theater (H)
College Algebra/College Trigonometry (DC)	US History (DC)
English 12 (DC)	

***These points are added upon successful completion of the course and are posted after final grades are submitted by the instructor, and as a result, will not be used in the determination of exam exemptions.***



# **COURSE DESCRIPTIONS**

# BIBLE DEPARTMENT

The school is committed to the Bible as God's revealed Word; therefore, our emphasis in the Bible curriculum is to teach our students to read and study the Bible for themselves. Our approach is inductive, raising the questions necessary to involve the learner in the text and make valid conclusions from the reading. Our desire is that the reading and study will lead each student into a deeper walk with Christ. The Bible classes are designed to help the students develop a Christian worldview and understand how biblical principles apply to today's situations.

The Brook Hill Bible Department teaches three different approaches to Bible study: historical, literary, and theological. The middle school focuses on a historical approach. Middle school students learn the significant people, places, and events of the Bible. Grades 9 and 10 focus on a literary approach. During these grades, students learn how to recognize and interpret literary devices in the Bible. Grades 11 and 12 explore a theological approach. During their final two years at Brook Hill, students develop hermeneutical skills, compare a Christian worldview with that of other major religious traditions, and study apologetics.

**DON'T LET  
ANYONE LOOK  
DOWN ON YOU  
BECAUSE YOU  
ARE YOUNG, BUT  
SET AN EXAMPLE  
FOR THE  
BELIEVERS IN  
SPEECH, IN  
CONDUCT, IN  
LOVE, IN FAITH,  
AND IN PURITY.  
1 TIMOTHY 4:12**

## **Bible I**

Grade: 10, 11

Two Semester Course

Credit: 1.0

Bible I centers on the life, teachings, and mission of Jesus Christ as presented in the Gospels. Students explore Jesus's announcement of the Kingdom of God and examine how His words, actions, parables, miracles, death, resurrection, and ascension reveal God's redemptive purposes for the world. Through close reading of the Gospel narratives, students learn how to read Scripture carefully by attending to genre, historical context, and theological purpose. The course invites students to encounter Jesus not only as a historical figure, but as the King who calls people to follow Him and live under God's reign. As students engage the story of Jesus, they are introduced to practices that shape discipleship, including prayer, reflection, and attentiveness to Scripture. This course establishes a foundation for the Bible program by grounding students in the story of Jesus and the central theme of the Kingdom of God that shapes a biblical worldview.

## **Bible II**

Grade: 11

Two Semester Course

Credit: 1.0

Bible II focuses on what it means to live as a follower of Jesus within the Kingdom of God, with particular attention to the life of the early Church. Drawing primarily from the Epistles of the New Testament, students examine how early Christian communities understood identity, belonging, faithfulness, and ethical living under the reign of Christ. Students learn to read the Epistles as pastoral and theological letters written to real communities facing real challenges. The course emphasizes the connection between Christian belief and Christian practice, helping students see how identity in Christ shapes character, relationships, and daily decisions. Throughout the course, students explore spiritual disciplines and communal practices that form Christian life, such as prayer, worship, service, confession, and life together in community. Bible II invites students to reflect on how the Kingdom of God is embodied in the Church and lived out in their own lives.

## **Bible 12**

Grade: 12

Two Semester Course

Credit: 1.0

Senior Bible is a capstone course designed to prepare students for the rigors of college. University life challenges students on several fronts and this course will do the same. Students who successfully complete the course will be familiar with some of the most common explanations of Christian faith. Students will also have a rudimentary understanding of common objections to Christian beliefs and evaluate both the strengths and weaknesses of these claims. This course will also spend time using the Gospel of John as a means to study John's own defense of the claims Christ had as the Son of God. Students will be challenged to understand Jesus in light of what Scripture says and what logic tells us.

## **Student Ministry Practicum**

Grades: 11, 12

Two Semester Course

Credit: 1.0

This practicum course invites students to participate directly in the life and ministry of the Brook Hill community through service in Chapel and other ministry settings. Students gain hands-on experience in planning, developing, and implementing elements of corporate worship and spiritual leadership, learning how ministry functions within a Christian community. Alongside practical ministry experience, students are introduced to historic and contemporary spiritual disciplines that sustain Christian life and leadership. Emphasis is placed on learning how to engage Scripture, prayer, and reflection in ways that cultivate personal faith and long-term spiritual health. This course is designed for students who desire to grow in servant leadership, explore vocational ministry interests, or deepen their understanding of how the Church worships, serves, and forms disciples. The practicum encourages students to integrate belief, practice, and calling as they consider how God may be leading them to serve others.

# THE ARTS DEPARTMENT

The role of the Arts Department is to help identify and develop the talents, skills and the creative thinking of every Brook Hill student through the practical study of the visual and performing arts, as well as to provide an experience of enrichment during the school day. Through these classes the student will cultivate both artistic excellence and a deepened connection with their faith. Students will explore, create, and elevate their artistic gifts within a supportive and spiritually nurturing environment and will gain an appreciation for the creative genius and power of God, the original creator.

**ALL THINGS HAVE  
BEEN CREATED  
THROUGH HIM  
AND FOR HIM. HE  
IS BEFORE ALL  
THINGS, AND IN  
HIM ALL THINGS  
HOLD TOGETHER.  
COLOSSIANS 1:17**

### **Applied Music**

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

Applied Music will provide a place for those students who may or may not be enrolled in a Choir class in the Upper School and would like additional instructional and practice time in a one-on-one setting, such as a private lesson. Additionally, students who wish to perform with one of the Brook Hill Choirs but do not have room in their academic schedule when those classes meet, can use the Applied Music class to prepare the same repertoire of music so they may perform as a member of the Choir.

### **Art: 2D Art and Design**

Grade(s): 9, 10, 11, 12

One Semester Course

Credit: 0.5

2D Art and Design is an introductory-level course focusing on two-dimensional art, including drawing, painting, collage, and mixed media. Students will gain foundational skills in 2D design strategies, understanding and developing visual narrative, and creating visual interest in the composition of a work of art. Emphasis will be placed on developing works of art utilizing the principles and elements of design, color theory, and other artistic skills. A variety of media and techniques are explored. Students will be expected to complete 2-3 finished works during the semester. Art history and appreciation are organically integrated into the course curriculum. Students will learn to articulate a critical analysis of various works of art, including that of professional artists, their own, and their peers. *Offered on a rotating schedule.*

### **Art: Sculpture and Ceramics**

Grade(s): 9, 10, 11, 12

One Semester Course

Credit: 1.0

This course explores three-dimensional art with a focus on sculptural design and ceramic processes. Students work with a wide range of materials—including clay, wire, paper, plaster, wood, found objects, and other traditional art media—to develop foundational skills in 3D design and composition. Instruction includes hand-built clay techniques, wheel throwing, and two-dimensional clay relief. Students are encouraged to think creatively, take artistic risks, and create structurally sound and visually engaging works of art. Art history and appreciation are integrated throughout the course to provide context and inspiration. Students also practice critical analysis by evaluating the work of professional artists as well as their own work and that of their peers.

### **Art: Introduction to Drawing**

Grade(s): 9, 10, 11, 12

One Semester Course

Credit: 0.5

Introduction to Drawing is an introductory-level course focusing on drawing skills and techniques that will utilize a variety of drawing media, including graphite pencil, charcoal, colored pencil, oil and chalk pastels, and pen and ink. Students will develop foundational drawing skills and will utilize composition, visual narrative, and design strategies to create visually compelling drawings. Emphasis will be placed on skill development for the first 9 weeks and then students will create 2-3 major drawing projects for the second 9 weeks. Art history and appreciation are organically integrated into the course curriculum. Students will learn to articulate a critical analysis of various works of art. *Offered on a rotating schedule.*

### **Art: Introduction to Mixed Media and Collage**

Grade(s): 9, 10, 11, 12

One Semester Course

Credit 0.5

Introduction to Mixed Media and Collage is an introductory-level course focusing on the use of traditional materials, new media, and found objects, that are combined and arranged to create thought-provoking works of art. Instruction will emphasize the elements and principles of design along with creative risk-taking. Students will be encouraged to be imaginative, innovative, and resourceful in the creation of 2D and 3D works of art using mixed media and collage techniques. Art history and appreciation are organically integrated into the course curriculum. Students will learn to articulate a critical analysis of various works of art, including that of professional artists, their own, and their peers. *Offered on a rotating schedule.*

### **Art: Introduction to Painting**

Grade(s): 9, 10, 11, 12

One Semester Course

Credit 0.5

Introduction to Painting is an introductory-level course focusing on painting skills and techniques that will utilize a variety of painting media, including watercolor, acrylic, and water-soluble oils. Painting surfaces will be appropriate to the paint used—watercolor paper, canvas paper, canvas, wood, etc. Students will develop foundational painting skills and will utilize composition, visual narrative, and design strategies to create visually compelling paintings. Art history and appreciation are organically integrated into the course curriculum. Students will learn to articulate a critical analysis of various works of art, including that of professional artists, their own, and their peers. *Offered on a rotating schedule.*

### **Art: Printmaking Processes**

Grade(s): 9, 10, 11, 12

One Semester Course

Credit: 0.5

Printmaking Processes is an introductory-level course focusing on traditional printmaking techniques, including monoprint, intaglio, woodblock, linocut, and silkscreen methods. Students will gain foundational skills in these five printmaking processes and will utilize compositional skills, visual narrative, and design strategies to create compelling prints. Art history and appreciation are organically integrated into the course curriculum. Students will learn to articulate a critical analysis of various works of art, including that of professional artists, their own, and their peers. *Offered on a rotating schedule, typically*

### **Art: Digital Photography**

Grade(s): 9, 10, 11, 12

One Semester Course

Credit: 0.5

Digital Photography is an introductory-level course focusing on the use of smart phones, digital SLRs, and photo-processing software to create interesting and visually compelling photographic images. Students will gain foundational knowledge and skills in basic photography techniques, including lighting, posing the subject, composition of the image, the rule of thirds, camera settings, use of filters and exposure. Students will learn to “capture the story” of an event, a person, or an object, and to create visual narrative through their photographic images. Photography students will create at least one “photo essay” on a subject, and several individual photographs that are theme or subject driven. Art history and

appreciation are organically integrated into the course curriculum. Students will learn to articulate a critical analysis of various works of art, including that of professional artists, their own, and their peers. *Offered on a rotating schedule, typically in the Fall of odd years.*

### Advanced Art

Grade(s): 10, 11, 12                      Two Semester Course                      Credit: 1.0  
Prerequisite(s): Two semesters of art and instructor approval

Advanced Art is a higher-level course for art students who desire to pursue their art practice thoughtfully and earnestly in a rigorous studio setting. Students will be required to explore a variety of media choices to foster their growth and development as an artist. Emphasis will be placed on the individual development of a portfolio of work. Students will be allowed to take Advanced Art for more than one school year and will be expected to demonstrate maturity in their personal development as an artist during each semester. An Advanced Art student's portfolio may lead to the submission of an AP portfolio to the College Board (2D Studio Art and Design, 3D Studio Art and Design, Drawing). Art history and appreciation are integrated into the course curriculum. Students will continue to learn to develop and articulate a critical analysis of various works of art, including that of professional artists, their own, and their peers.

### AP Studio Art: 2-D Art and Design

Grade(s): 11, 12 Two Semester Course                      Credit: 1.0  
Prerequisite(s): Four semesters of art and instructor approval

The AP Studio Art: 2-D Design course is designed for serious art students with the goal of producing a college level portfolio that shows mastery in concept, composition, and the execution of 2-D design. Students should expect the course to be rigorous. The digital portfolio created as a part of the course will ultimately be submitted to the College Board for evaluation/grading in May of each academic year. It will include images of 5 original artworks and 15 images that show evidence of a Sustained Investigation related to one or more of the 5 original artworks. The 2-D design portfolio may include traditional or experimental approaches to 2-D design. It may be rendered in any of the following media: drawing, painting, printmaking, mixed media, collage, photography, or digital media. **Students who successfully complete this course and submit an AP portfolio will receive eight additional points added to their semester averages.**

### Studio Art: 3-D Art and Design (AP)

Grade(s): 11, 12 Two Semester Course                      Credit: 1.0  
Prerequisite(s): Four semesters of studio art and Instructor approval

The AP Studio Art: 3-D Design course is designed for serious art students with the goal of producing a college level portfolio that shows mastery in concept, composition, and the execution of 3-D design. Students should expect the course to be rigorous. The digital portfolio created as a part of the course will ultimately be submitted to the College Board for evaluation/grading in May of each academic year. It will include images of 5 original artworks and 15 images that show evidence of a Sustained Investigation related to one or more of the 5 original artworks. The 3-D design portfolio may include traditional or experimental approaches to 3-D design. Students are encouraged to take inventive and informed risks. **Students who**

**successfully complete this course and submit an AP portfolio will receive eight additional points added to their semester averages.**

### AP Studio Art: Drawing

Grade(s): 11, 12 Two Semester Course Credit: 1.0

Prerequisite(s): Four semesters of art and Instructor approval

The AP Studio Art: Drawing course is designed for serious art students with the goal of producing a college level portfolio that shows mastery in concept, composition, and the execution of drawing. Students should expect the course to be rigorous. The digital portfolio created as a part of the course will ultimately be submitted to the College Board for evaluation/grading in May of each academic year. It will include images of 5 original artworks and 15 images that show evidence of a Sustained Investigation related to one or more of the 5 original artworks. The drawing portfolio may include traditional or experimental approaches to drawing. It may be rendered in a variety of drawing media and techniques. **Students who successfully complete this course and submit an AP portfolio will receive eight additional points added to their semester averages.**

### Varsity Choir

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

Varsity Choir (Guard Chorale) is an advanced choir of 9th -12th graders with acquired musical skills through previous training in vocal or other musical mediums. This ensemble requires proficiency in sight-reading skills, self-disciplined work ethic, and the ability to match and reproduce musical pitch, and rhythmic precision. This is our primary performance group, and it will have a demanding schedule of performances and rehearsals, as well as informal team building retreats. Each member is encouraged to participate in every contest throughout the year, which fosters skill building and increased confidence. The ensemble will compete in both TMEA Regional Events, as well as TAPPS Adjudication Events. *Students who meet defined benchmarks for advanced coursework may earn honors credit, which includes an additional three points added to the final course grade.*

### Guitar 1

Grade(s): 9,10,11,12

Two Semester Course

Credit: 1.0

Guitar 1 is a two-semester course designed for the beginning guitar player. Students will learn to play basic open chords, bar chords, and some basic music reading as time allows. We will also begin learning to improvise over basic blues progressions using modified pentatonic scale patterns. Students are required to do performances each semester as their ability grows.

### Music Perspectives & Fundamentals (DC)

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

Music Perspectives & Fundamentals is a non-performing (no public or school-wide performance) class. This class will acquaint the student with a wide range of musical styles and genres through an overview of a variety of musical elements. Students will learn about influential composers throughout musical history and their contributions to the music of the

world, through a Christian world-view. *Offered on a rotating schedule.*

### **Orchestra**

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

Upper School Orchestra is designed for students who already have the ability to play an Orchestral instrument, (Violin, Viola, Cello, and Bass), in at least 1st position. Students will receive progressive instruction on advanced instrumental techniques, (vibrato, shifting, and articulations), and ensemble playing. There are both required and optional performance opportunities for the members of the US Orchestra. The preparation and participation in TPSMEA and TAPPS activities will be a significant part of the activities for the US Orchestra. *Students who meet defined benchmarks for advanced coursework may earn honors credit, which includes an additional three points added to the final course grade.*

### **Introduction to Theater**

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

Introduction to Theater is a foundational course designed to introduce students to the art and practice of theatrical performance. This course emphasizes basic acting techniques, ensemble building, and an overview of theatrical styles, terminology, and history. Students will explore vocal and physical expression, improvisation, character development, and introductory script analysis while learning the collaborative nature of theater production. Through classroom exercises, short scenes, reflective discussion, and introductory performance opportunities, students will develop confidence, creativity, and discipline as performers and collaborators. Successful completion of Introduction to Theater prepares students with the skills, vocabulary, and work ethic necessary for continued study in Advanced Theater and higher-level performance opportunities.

### **Theater**

Grade(s): 10, 11, 12

Two Semester Course

Credit: 1.0

Advanced Theater is an advanced, performance-based course designed for highly motivated students with prior theater experience. This course emphasizes an in-depth study of acting theory and technique, script and character analysis, theatrical history, and critical evaluation of performance. Students will refine vocal, physical, and interpretive skills while developing leadership, discipline, and collaborative ensemble practices. As a core component of the course, students are required to participate in the Fall One Act Play competition, the TAPPS Speech and Debate competition in the Spring and the Brook Hill Spring Musical. Through sustained rehearsal, performance, and reflective practice, students will demonstrate advanced artistic growth and a comprehensive understanding of theatrical performance within a competitive and production-driven framework. Additional rehearsals outside of class will be required. *Students who meet defined benchmarks for advanced coursework may earn honors credit, which includes an additional three points added to the final course grade.*

## Technical Theater

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

Technical Theater is a hands-on project-based course focused on the behind-the-scenes elements that bring theatrical productions to life. Students will study and apply principles of stagecraft, including set design, construction, and scenic techniques, alongside lighting, sound, costuming and properties. Emphasis is placed on backstage and stage management, with students learning production organization, rehearsal procedures, cueing and performance execution. Through both theoretical instruction and hands-on application, students will develop technical proficiency, collaborative skills, and an understanding of how technical elements support artistic storytelling in live theatrical productions. *Students who meet defined benchmarks for advanced coursework may earn honors credit, which includes an additional three points added to the final course grade.*

## Yearbook

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

Students learn about the collecting and editing of material of interest for presentation through the medium of the school yearbook. Students will learn and practice design principles. The editorial and photography staff will learn to capture the typical and special moments of life around the school and look for unique ways to preserve moments for the future. Student leadership roles available. Experience in photography, design, or artistic interests highly encouraged. Students must complete a formal application in order to be selected for the yearbook staff.

# WORLD LANGUAGE

God is a communicator. In fact, He calls Himself the Word. The study of a world language and culture helps the student understand more of the diversity of God's creation. World language is the study of another people's language and culture. Through study, the student obtains proficiency in speaking a new language conversationally and begins to understand a different culture. In today's world, knowledge of another language is a great asset in obtaining a job in many highly competitive fields. Each world language class will integrate a variety of lab activities and internet activities into the curriculum to improve speaking, listening, writing, and reading skills and to aid in the acquisition of structure, vocabulary, and culture.

**THEREFORE, GO  
AND MAKE  
DISCIPLES OF ALL  
NATIONS,  
BAPTIZING THEM  
IN THE NAME OF  
FATHER AND OF  
THE SON AND OF  
THE HOLY SPIRIT.  
MATTHEW 28:18**

### **Spanish 1**

Grade(s): 9, 10, 11

Two Semester Course

Credit: 1.0

First-year Spanish language study is introduction to the Spanish language, culture, and history of the Spanish-speaking world. It is taught using comprehensible input and input is the primary focus. Students will acquire the language by listening and reading to support their eventual output of writing and speaking. The instructors use TPRS: Teaching Proficiency through Reading and Storytelling and the SOMOS curriculum, supplemented by reading novels and texts written for language students.

### **Spanish 2**

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

Prerequisite(s): Spanish 1, Placement test required for transfer students

Students will continue building on skills learned in Spanish 1. More vocabulary, verb conjugations (including past tense), and grammar structures are introduced using comprehensible input. The instructors continue to use TPRS: Teaching Proficiency through Reading and Storytelling and the SOMOS curriculum, supplemented by reading novels and texts written for language students. Students will aim for more proficient output in writing and speaking as the year progresses.

### **Spanish 3**

Grade(s): 10, 11, 12

Two Semester Course

Credit: 1.0

Prerequisite(s): Spanish 2, Placement test required for transfer students

Students will continue building upon language skills in the target language received in levels 1 and 2. They will aim toward proficiency in oral conversation. Students will receive much of their instruction in the target language, requiring understanding and the ability to manipulate the language comfortably between one another and with native speakers. The students will be introduced to more complex language structures through literature, classroom interactions, field trips, and other activities. The five areas of learning: speaking, listening comprehension, reading comprehension, writing, and cultural studies will be the backdrop for preparing the students to continue in the same language into AP and college courses.

### **Spanish 4 Honors**

Grade(s): 10, 11, 12

Two Semester Course

Credit: 1.0

Prerequisite(s): Spanish 3, Placement test required for transfer students

Students will continue building upon language skills in the target language received in levels 1, 2, and 3. They will be introduced to more complex language structures through literature, classroom interactions, field trips, and other activities. The five areas of learning: speaking, listening comprehension, reading comprehension, writing, and cultural studies will be the backdrop for preparing the students to continue in the same language into AP and college courses.

## **AP Spanish Language and Culture**

Grade(s): 10, 11, 12

Two Semester Course

Credit: 1.0

Prerequisite(s): Spanish 4 Honors, Placement test required for transfer students

The AP Spanish Language and Culture course emphasizes communication by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. The course is taught almost exclusively in Spanish to facilitate the study of language and culture. Students explore culture in both contemporary and historical contexts. The students develop awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, and institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

# BUSINESS

The Brook Hill School of Business is dedicated to preparing students as Christian leaders in the world of business. We offer a robust project-based curriculum centered on entrepreneurship, finance, and leadership. In addition to traditional classroom instruction, we offer a range of hands-on learning opportunities, projects, and collaborations. These experiences provide students with the chance to apply their knowledge in a real-world setting and gain practical skills.

Our program encourages students to explore the world of business through a Christian worldview. This includes helping them to develop a business mindset that values integrity, honesty, justice, fairness, compassion, and service to others. These values will help students as they seek to mirror Christ to those around them, including their co-workers, managers, employees, customers, and suppliers.

Whether students are interested in pursuing a career in business, starting their own venture, or simply gaining a deeper understanding of business, our program can provide them with the tools they need to navigate complex ethical issues and make informed decisions that align with their Christian values.

**THEREFORE, AS  
GOD'S CHOSEN  
PEOPLE, HOLY  
AND DEARLY  
LOVED, CLOTHE  
YOURSELVES WITH  
COMPASSION,  
KINDNESS,  
HUMILITY,  
GENTLENESS, AND  
PATIENCE.  
COLOSSIANS 3:12**

### **Entrepreneurship I**

Grade(s): 9, 10, 11, 12

One Semester Course

Credit: 0.5

In Entrepreneurship I students will learn how to define and develop an entrepreneurial mindset and gather tools that they can apply to various business ventures with the hope of creating the idea for an operational business. Students will be challenged to step out of their comfort zones and to learn leadership principles, especially how to be visionaries in business who can respond quickly to change, can give and receive helpful critique, and can collaborate with a team.

### **Entrepreneurship II**

Grade(s): 10, 11, 12

One Semester Course

Credit: 0.5

Prerequisite: Entrepreneurship I

Entrepreneurship II is a continuation of Entrepreneurship I. Students will focus on the launch of their “in-theory” business. By creating an operational business, they will inherently learn the foundational principles of business, such as accounting, marketing, sales, and product management. These fundamentals of business operations are essential to understanding how businesses function optimally and sustainably.

### **Entrepreneurship III**

Grade(s): 11, 12

Full-Year Course

Credit: 1

Prerequisite: Entrepreneurship I & II and an Operational Business

Entrepreneurship III is the last movement in the two-year Entrepreneurship track for the students who have completed Entrepreneurship I & II and successfully launched a business. Students will focus on growing their operational business through The Brook Hill School of Business Internship and Mentorship Program as they pair up with an expert in their field to take their business to the next level. Students will also submit their Business Plans to the worldwide Diamond Challenge, a top-rated high school entrepreneurship competition. If selected, students will pitch their business with the hopes of earning up to \$100,000 for their venture.

### **Personal Finance**

Grade(s): 9, 10, 11, 12

One Semester Course

Credit: 0.5

Personal Finance aims to provide students with an understanding of financial concepts and strategies that will help them make informed financial decisions throughout their lives. Students will learn the basics of how to budget, save, and invest by interacting with budgeting and investing simulations that mirror real world scenarios for all to experience what lies ahead in their future.

### **Intermediate Investing**

Grade(s): 10, 11, 12

One Semester Course

Credit: 0.5

Prerequisite: Personal Finance

Intermediate Investing is a continuation of Personal Finance. Students will uncover their tolerance for risk under various simulated life conditions and, with that knowledge, develop a customized investment strategy for the long-term in our stock market simulator. In addition, students will be challenged to keep up with market news and current events that will inevitably affect their portfolios in the short term. Preparing wisely for retirement is a discipline that should begin early and carry on into the future.

### **Advanced Investing**

Grade(s): 11, 12

Full-Year Course

Credit: 1

Prerequisite: Personal Finance, Intermediate Investing, and an Actual Investment Portfolio

Advanced Investing is the last movement in the two-year Finance Track. It is designed for students who have gained the confidence and resources to turn their simulated investments portfolio into an actual one. By teaming up with professionals in the world of investments through The Brook Hill School of Business Internship and Mentorship Program, students will hone their trading skills and portfolio management in preparation for a career in finance.

### **Business Leadership**

Grade(s): 11, 12

Full-Year Course

Credit: 1

Prerequisite: Teacher Recommendation and Personal Essay

Business Leadership is designed for upper-level students who have proven to be leaders at Brook Hill during their first two years on campus. Students will engage in seminars with the objective of discovering more about themselves and others. In doing so, students will focus on the intricacies of work, personality psychology, emotional intelligence, mindfulness, human motivation, habit formation, leadership philosophy, team building, and team efficiency. In addition, students will receive a personality typing assessment, a Scrum Master Certification, a Lean Six Sigma White Belt, and a Rotary Club's Badge of Service through Interact Program.

### **Business Experience**

Grade(s): 11, 12

One Semester Course

Credit: 0.5

Business Experience is for students who are looking to engage in career-shaping opportunities for their future. Students will participate in hands-on work experience through an internship with a desired local business or department on campus. Since "experience is the best teacher," students will perform regular employee duties during the class time they are assigned to work. Each student will report to the manager on duty as well as the course instructor and will be responsible for maintaining good standing with the manager, submitting assignments, and attending scheduled meetings with the course instructor. Students will earn elective credit in lieu of wages.

## Career Development

Grade(s): 11, 12

One Semester Course

Credit: 0.5

In Career Development students will partner with Coursera's Professional Certificate program to build the in-demand skills needed to land an entry-level job in Business, Computer Science, Data Science, IT, Cybersecurity, and Supply Chain/Logistics as an IT support specialist, data science analyst, social media manager, project manager professional, marketing/E-commerce specialist, software developer, content creator, cybersecurity analyst, sales operator, AI product manager, Python development professional, and many more. Students will master the latest skills from industry experts at top companies like Microsoft, Google, IBM, Salesforce, Adobe, Amazon, Xbox, Meta (Facebook), and many more. When students complete a certificate program in their chosen field, they will earn a recognized career credential to enhance their resume and showcase their skill proficiency to potential employers.

# HUMANITIES

The philosophy of the Brook Hill Humanities Department is to teach an integrated curriculum of history and English. We do this because we believe that students gain a better understanding of the world around them when they view literature through the eyes of history and history through the eyes of literature.

In short, Humanities is the intensive study of the great writings, people, events, works, and ideas that have formed and reformed civilization as we know it. It is not two courses taught by one teacher. Rather, it is one course in which a teacher teaches the normative works of our culture within their historical settings. This helps the student understand how the works and the people who wrote them were influenced by their times. It also reveals the universal nature of the great works, which are classics precisely because they somehow speak to all people at all times. Through such historical/literary integration, students are grounded in a view of the world that enhances and illuminates their more specialized studies of math, science, art, and foreign languages. The Middle School courses cover the history, writings, people, events, etc., of the ancient world (grade 6), Texas and the United States (grades 7 and 8), while the Upper School courses cover the western world (grades 9 and 10) and the United States (grade 11). Each of these courses includes a history text, which gives the historical flow of the periods under study.

Not only does such a course of learning help students integrate knowledge, it also enables them to refine their communication skills under the careful attention and evaluation of their teachers. In short, a major emphasis of these courses is to help the students grow in the strategic skills of communication—reading, writing, speaking, and listening—which will enable them to move into any arena of life as confident, articulate, truthful, and persuasive individuals.

Grade 12 courses are not taught from this integrated humanities approach. Students will study the literary genres (comedy, tragedy, epic, and lyric) in English 12, and government and economics in their senior social sciences courses.

**STAND FIRM  
THEN, WITH THE  
BELT OF TRUTH  
BUCKLED  
AROUND YOUR  
WAIST, WITH THE  
BREASTPLATE OF  
RIGHTEOUSNESS  
IN PLACE.  
EPHESIANS 6:14**

## Humanities 9: Western Civilization 1

Grade: 9

Two Semester Course

Credit: 2.0

This year's study is the foundation of a two-year course leading students through the history and significant literature of mankind from ancient to modern times. In this 9th grade Humanities course, students will journey through ancient history, culture, and literature to build a foundational understanding of Western society. From creation to the fall of Rome and rise of Christianity, students will examine scripture as well as ancient literature to understand how societies formed and evolved, as well as how the pursuits of those kingdoms ultimately shaped the world we know today. Students will be challenged to read, write, and discuss these ideas and themes. Examples of the great works read include: *Genesis*, *The Enuma Elish*, *Exodus*, *The Epic of Gilgamesh*, *The Odyssey*, *Plato's Apology*, *The Aeneid*, the Gospel of Mark, and *Romeo and Juliet*.

## Humanities 9 Honors: Western Civilization 1

Grade: 9

Two Semester Course

Credit: 2.0

Recommendation: Teacher recommendation; 85 or higher in Humanities 8

This year's study is the foundation of a two-year course leading students through the history and significant literature of mankind from ancient to modern times. In the 9th grade Honors Humanities course, students will journey through ancient history, culture, and literature to build a foundational understanding of Western society. From creation to the fall of Rome and rise of Christianity, students will examine scripture as well as ancient literature to understand how societies formed and evolved, as well as how the pursuits of those kingdoms ultimately shaped the Western world. Students will be challenged to read, write, and discuss these ideas and themes on a deeper level as well as draw connections to our world today. Examples of the great works read include: *Genesis*, *The Enuma Elish*, *Exodus*, *The Epic of Gilgamesh*, *The Odyssey*, *Plato's Apology*, *The Aeneid*, the Gospel of Mark, and *Romeo and Juliet*.

As an Honors course, Humanities 9 (H) will prepare students to take AP English courses in 11th and 12th grades by requiring a deeper probing of texts, as well as more analytical and in-depth tests and writing assignments. In addition, students in this course should: be task-oriented and able to set priorities; read ALL assignments, as well as suggested books; have a strong and growing base of literary and grammatical conventions; and expect longer reading assignments. **Students who successfully complete this course will receive three additional points added to their semester averages.**

## Humanities 10: Western Civilization 2

Grade: 10

Two Semester Course

Credit: 2.0

This year's study continues a two-year course which leads students through the history and literature of mankind in an interdisciplinary fashion. Sophomore studies focus on the Renaissance through to the present. Because of the formative role played by Christianity during the early part of this era (also known as Christendom), our studies will include interaction with the New Testament and early Church writings. The discussion of cultural changes, as well as tracing the great people, events, and ideas, during Christendom, the

Renaissance, the Reformation, the Enlightenment, and the Modern Era will aid students in understanding the world of today. Readings for the course include not only works of fiction, but also poetry, historical and critical essays, political documents, and philosophical writings. Key works read include *Beowulf*, *Henry V* or *Othello*, *Paradise Lost*, and *1984*.

### Humanities 10: Honors Western Civilization 2/AP European History

Grade: 10 Two Semester Course Credit: 2.0  
Recommendation: Teacher Recommendation; 85 or higher in Humanities 9; PSAT Reading and Writing score of 450 or higher

This year's study continues a two-year course which leads students through the history and significant literature of mankind in an interdisciplinary fashion. Sophomore studies focus on the Renaissance through to the present. Because of the formative role played by Christianity during the early part of this era (also known as Christendom), our studies will include interaction with New Testament and early Church writings. The discussion of cultural changes, as well as tracing the great people, events, and ideas, during Christendom, the Renaissance, the Reformation, the Enlightenment, and the Modern Era will aid students in understanding the world of today. Readings for the course include not only works of fiction, but also poetry, historical and critical essays, political documents, and philosophical writings. Key works read include *Beowulf*, *The Inferno*, *Othello*, *Paradise Lost*, *The Picture of Dorian Gray*, and *1984*.

As an AP course, Humanities 10 (AP) will prepare students to take AP English courses in 11th and 12th grades by requiring deeper probing of texts (often more difficult than Humanities 10), as well as more analytical and in-depth tests and writing assignments. In addition, students in this course should: be task-oriented and able to set priorities; read ALL assignments, as well as suggested books; have a strong and growing base of literary and grammatical conventions; and expect longer reading assignments. **Students who successfully complete this course will receive eight additional points added to their semester averages.**

### Humanities 11: United States History and Literature

Grade: 11 Two Semester Course Credit: 2.0

Humanities 11 is a multi-faceted course that offers the student an opportunity to improve reading and writing skills. There is considerable emphasis on the college-style essay focusing on critical reading and analysis. Eleventh-grade studies in the humanities span from the early colonization of America to recent American history. Students will trace the people, events, and ideas that have shaped America, and they will explore how America has played a part in the history of the world. Readings for the course include not only works of fiction, but also poetry, historical and critical essays, political documents, and philosophical writings. Examples of the works read in the class include *Fahrenheit 451*, *The Scarlett Letter*, *The Adventures of Huckleberry Finn*, and *The Great Gatsby*.

## AP English Language and Composition

Grade: 11

Two Semester Course

Credit: 1.0

Recommendation: Teacher Recommendation; 85 or higher in Humanities 10; PSAT Reading and Writing score of 500 or higher

By way of a study of American writings, the AP English Language and Composition course will trace the people, events, and ideas that have shaped America, and students will explore how America has played a part in the history of the world. Much of the focus will be on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students will evaluate, synthesize, and cite research to support their arguments. Additionally, they will read and analyze rhetorical elements and their effects in texts. Readings for the course will include not only works of fiction, but also poetry, historical and critical essays, political documents, and philosophical writings. Examples of the larger works read in the class include *Fahrenheit 451*, *The Scarlett Letter*, *The Adventures of Huckleberry Finn*, and *The Great Gatsby*.

Higher academic expectations in this course should prepare the students for the AP English Language and Composition exam. Students are expected to exhibit a high degree of self-motivation and self-discipline in order to meet the demands of such a curriculum. **Students who successfully complete this course and take the AP exam will receive eight additional points added to their semester averages.**

## AP U.S. History

Grades: 11 or 12

Two Semester Course

Credit: 1.0

Recommendation: Teacher Recommendation, 85 or higher in Humanities 10, PSAT Reading and Writing score of 500 or higher

This course is intended to provide the student with an overview of American history and a deeper understanding of and appreciation for significant events in our history. Students will investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students will develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. Students will also explore several themes throughout the course which will equip them to make connections among historical developments in different times and places.

Higher academic expectations in this course should prepare the students for the AP U.S. History exam. Students are expected to exhibit a high degree of self-motivation and self-discipline in order to meet the demands of such a curriculum. **Students who successfully complete this course and take the AP exam will receive eight additional points added to their semester averages.**

## English 12: Composition and Literary Genres (DC)

Grade: 12

Two Semester Course

Credit: 1.0

English 12 is a genre study through the reading of great works of literature, both ancient and contemporary. Exemplars of the epic, lyric, tragic, and comic genres present the noble struggle to found and maintain a community, the splendor and diversity of love, the possible insight gained through suffering, and the hope that sustains a broken world. Through careful reading and analytical writing, seminar discussion, and research, students will develop their skills in critical reading and writing in preparation for college. More importantly, students will gain a greater appreciation for and insight into what it means to be human. English 12 is a college prep course. With that in mind, it is geared toward preparing students to read, think, discuss, and write at a college level. The workload and expectation is greater than at a typical school, though it is not at the level of AP English 12. Examples of the works read in the class include *The Things They Carried*, *The Old Man and the Sea*, *Oedipus Tyrannus*, and *Hamlet*.

**Students taking this course for dual credit must meet the college's guidelines. Students who successfully complete the dual credit portion of this course will receive three additional points added to their semester averages.**

## English 12: AP Literature and Composition

Grade: 12

Two Semester Course

Credit: 1.0

Recommendation: Teacher Recommendation, 85 or higher in Humanities 11, PSAT Reading and Writing score of 550 or higher

AP English 12 is a genre study through the reading of great works of literature, both ancient and contemporary. Exemplars of the epic, lyric, tragic, and comic genres present the noble struggle to found and maintain a community, the splendor and diversity of love, the possible insight gained through suffering, and the hope that sustains a broken world. Through careful reading and analytical writing, seminar discussion, and research, students will develop their skills in critical reading and writing in preparation for college. More importantly, students will gain a greater appreciation for and insight into what it means to be human. Examples of the works read in the class include *The Things They Carried*, *The Unvanquished*, *Oedipus Tyrannus*, *Hamlet*, *The Sun Also Rises*, and *How to Read Literature Like a Professor*.

AP English 12 and English 12 are similar courses in terms of literary content. However, the AP course requires more readings and is much more rigorous. The students in this course are expected to read, think, discuss, and write at a college level. They will be assessed by a higher standard than will students in English 12. **Students who successfully complete this course and take the AP exam will receive eight additional points added to their semester averages.**

## Macroeconomics

Grade: 12

One Semester Course

Credit: 0.5

Macroeconomics is a branch of economics that focuses on the functions of a free market economy, supply and demand, the global economy, money and banking, monetary and fiscal policy and more. Macroeconomics is a college prep course. With that in mind, it is geared toward preparing students to read, think, discuss, and write at a college level.

## United States Government (DC)

Grade: 12

One Semester Course

Credit: 0.5

The government course begins with a brief review of colonial American history. The course emphasis then moves into a detailed analysis of the United States Constitution and the Bill of Rights, a study of each branch of government and its function, political parties and campaigns, and current issues from a Christian perspective. The students in this course are expected to read, think, discuss, and write at a college level. ***Students taking this course for dual credit must meet the college's guidelines. Students who successfully complete the dual credit portion of this course will receive three additional points added to their semester averages.***

## United States History (DC)

Grades: 11 or 12

Two Semester Course

Credit: 1.0

This course is intended to provide the student with an overview of American history and a deeper understanding of and appreciation for significant events in United States history. Some independent study with classroom discussion will be required as well as a major project each semester. ***Students taking this course for dual credit must meet the college's guidelines. Students who successfully complete the dual credit portion of this course will receive three additional points added to their semester averages.***

# MATHEMATICS

Mathematics is more than the study of numbers, patterns and shapes. Collectively, it is a language which God uses to describe the physical universe to mankind. It is a creative, dynamic system which man can use to model and understand his environment. It reveals glimpses of the nature of God (His orderliness, trustworthiness, omniscience and omnipotence), while developing important character qualities such as patience, perseverance, resourcefulness, alertness and creativity.

Through its study, students cultivate problem-solving skills, analytical thinking, attention to details and logic. It encourages the development of sound reasoning techniques and rewards consistent work habits. The Brook Hill School's mathematics program is designed to stimulate a student's intellectual curiosity and give him/her an exposure to the technology of today's mathematics.

**HE DETERMINES  
THE NUMBER OF  
THE STARS AND  
CALLS THEM EACH  
BY NAME.  
PSALM 147:4**

## Algebra 1

Grade: 9

Two Semester Course

Credit: 1.0

Algebra 1 is an important subject because it is the foundation for all upper-level mathematics at both high school and college levels. It is our goal to help the students acquire the skills that they will need to be successful in these courses and to become excellent problem solvers. The curriculum will include the study of integers and rational numbers, equations, inequalities, graphs and linear equations, systems of equations, absolute value, exponents and polynomials, polynomials and factoring, the Pythagorean Theorem and radicals, relations and functions, and quadratic equations.

## Geometry

Grade(s): 9, 10

Two Semester Course

Credit: 1.0

Prerequisite: Algebra 1

This course develops a Euclidean system of Geometry using postulates, definitions and theorems. A study of Geometry will enhance the student's ability to solve problems creatively, reason deductively and logically, and visualize spatial relationships. Topics covered include (but are not limited to) inductive and deductive reasoning, points, lines, planes, angles and angle relationships, deduction and formal proof, parallel lines and planes, triangles, parallelograms and quadrilaterals, similar polygons, circles, area and volume of solids, constructions and coordinate geometry. Right triangle trigonometry will be introduced. They will also be introduced to transformational and analytical geometry. There is an emphasis on formal proof throughout the first semester. Projects may be required.

## Geometry Honors

Grade(s): 9, 10

Two Semester Course

Credit: 1.0

Prerequisite: Algebra 1

Recommendation: PSAT Math score of 450 or higher, Algebra 1 score of at least 85.

This course develops a Euclidean system of Geometry using postulates, definitions and theorems. A study of Geometry will enhance the student's ability to solve problems creatively, reason deductively and logically, and visualize spatial relationships. Topics covered include (but are not limited to) inductive and deductive reasoning, points, lines, planes, angles and angle relationships, deduction and formal proof, parallel lines and planes, triangles, parallelograms and quadrilaterals, similar polygons, circles, area and volume of solids, constructions and coordinate geometry. Right triangle trigonometry will be introduced. They will also be introduced to transformational and analytical geometry. There is an emphasis on formal proof throughout the first semester. Projects may be required. **Students who successfully complete this course will receive three additional points added to their semester averages.**

## Algebra 2

Grade(s): 10, 11

Two Semester Course

Credit: 1.0

Prerequisite: Algebra 1

Included with a brief review of Algebra 1 skills will be an introduction of the concepts of functions, elementary analysis, and quadratic equations. Related concepts of domain, range, set notation, interval notation, and inverse functions will be mastered. Students will be expected to become proficient in recognizing, knowing (and sometimes proving) the various analytical and graphical properties of various function families. Mathematical families include linear, quadratic, exponential, rational, irrational, and higher degree polynomial functions, along with conic sections. Wherever possible, applications will be stressed. Trigonometric concepts from Geometry will be reviewed. Heavy use of symbolic manipulations and transformations will be encouraged as a support to the future physics student.

## Algebra 2 Honors

Grade(s): 10, 11

Two Semester Course

Credit: 1.0

Prerequisite: Algebra 1

Recommendation: PSAT Math score of 480 or higher, Geometry score of at least 85

Included with a brief review of Algebra 1 skills will be an introduction of the concepts of functions, elementary analysis, and quadratic equations. Related concepts of domain, range, set notation, interval notation, and inverse functions will be mastered. Students will be expected to become proficient in recognizing, knowing (and sometimes proving) the various analytical and graphical properties of various function families. Mathematical families include linear, quadratic, exponential, rational, irrational, and higher degree polynomial functions, along with conic sections. Wherever possible, applications will be stressed. Additional topics will include complex number theory, sequences and series, (and probability if time permits). Trigonometric concepts from Geometry will be reviewed, and students will finish out their study of trigonometry by developing and proving identities, and solving trigonometric equations. Heavy use of symbolic manipulations and transformations will be encouraged as a support to the future physics student. **Students who successfully complete this course will receive three additional points added to their semester averages.**

## Business Math / Statistics (DC)

Grade(s): 11, 12

Two Semester Course

Credit: 1.0

Prerequisite: Algebra 2, must pass the TSI or be exempt

Business Math includes the study of linear, quadratic, exponential and logarithmic functions; matrices; topics in finance including interest rates, annuities, loans and amortization; and an introduction into probability and statistics. Statistics is an introductory course which focuses on the collection, tabulation, and analysis of data, normal and binomial distributions, linear regression and correlation, testing of hypothesis and utilization of computers in statistical application. **Students taking this course for dual credit must meet the college's guidelines. Students who successfully complete this course will receive three additional points added to their semester averages.**



Graphing calculators will be used as an aid to computation and analysis. Personal computers may be used to demonstrate limits and numerical methods for evaluation, derivatives, and definite integrals. At the beginning of the year students are encouraged to start their preparation for the Advanced Placement exam. Enrollment is based on teacher approval. **Students taking this course for dual credit must meet the college's guidelines. Students who successfully complete this course and take the AP exam will receive eight additional points added to their semester averages.**

### AP Calculus BC

Grade: 12 Two Semester Course Credit: 1.0  
Prerequisite: AP Calculus AB  
Recommendation: PSAT Math score of 580 or higher, AP Calculus AB score of at least 85 or AP Precalculus score of at least 90.

Topics include those presented in traditional second and third-semester college courses. Several problem-solving applications follow an intuitive introduction to the methods of calculus. The content includes (but is not limited to) topics covered on the Advanced Placement (Calculus BC) Examination. Whenever possible, real-life applications are stressed. Graphing calculators will be used as an aid to computation and analysis. Personal computers may be used to demonstrate limits and numerical methods for evaluation, derivatives and definite integrals. At the beginning of the year students are encouraged to start their preparation for the Advanced Placement exam. Enrollment is based on teacher approval. **Students who successfully complete this course and take the AP exam will receive eight additional points added to their semester averages.**

### AP Statistics

Grade: 11,12 Two Semester Course Credit: 1.0  
Prerequisite: AP Precalculus, College Algebra/Trigonometry, or Business Math/Statistics  
Recommendation: PSAT Math score of 530 or higher, AP Precalculus score of at least 85, College Algebra/Trigonometry or Business Math/Statistics score of at least 90.

Topics covered in AP Statistics would include collecting and analyzing data; describing trends, patterns and relationships with data; using probability to describe probability distributions and define uncertainty with statistical inference; and using statistical methods to test hypothesis and justify claims. **Students who successfully complete this course and take the AP exam will receive eight additional points added to their semester averages.**

Athletic Performance Training is set up to focus on the development of physical performance. Students will enhance their knowledge and physical skills to improve functional strength, power, linear/lateral speed, agility, and quickness. With a strong emphasis on work ethic, safety, balance, and cooperation, students will use free weights, Olympic lifts, plyometrics, agility drills, and stabilization training to produce positive outcomes in dynamic physical tests. Individualized training plans will help the athlete achieve positive outcomes in the weight room and the field of play. In II Corinthians 6:16, Paul writes that we are the "temple of the Living God." It is the responsibility of all people to cherish and maintain their temple. The study of physical education clarifies the needs of our physical bodies and how we can best develop, understand, and care for this physical vessel which is God's temple.

## Athletics

Grade: 9, 10,11,12 Two Semester Course

Credit: 1.0

### US Athletics:

#### Fall

- Football
- Volleyball
- Cross Country
- Cheerleading
- Drill Team
- Golf
- Tennis

#### Winter

- Basketball
- Soccer
- Cheerleading

#### Spring

- Baseball
- Softball
- Golf
- Track
- Tennis
- Cheerleading

\*Athletic Trainer/Manager for any sport

# SCIENCE

Science is the study of the natural world and the things that affect it. Our department stresses critical thinking, logical reasoning, and problem-solving. The science labs are designed to help the student develop a firm foundation in observation, analysis, and conclusions. We strive to prepare our students for success in rigorous college science programs. All science faculty adhere to and instruct in congruence with a biblical world view. Science illuminates the creative majesty of God. As one studies science, he becomes more aware of the magnificence of the creation and the Creator.

**IN THE BEGINNING  
GOD CREATED  
THE HEAVENS  
AND THE EARTH.  
GENESIS 1:1**

## Biology

Grade: 9

Two Semester Course

Credit: 1.0

Through a combination of laboratory experiments and activities, class discussions and field explorations, this course will give the student an in-depth look at the biological world that surrounds them. Students in this course will study cell biology, genetics, ecology, and taxonomy giving them a foundation for other biological sciences. Lab and field work will help students develop techniques in subsequent science courses.

## Biology Honors

Grade: 9

Two Semester Course

Credit: 1.0

Prerequisite: Algebra 1

Recommendation: PSAT score of 900 or higher

Through a combination of laboratory experiments and activities, class discussions and field explorations, this course will give the student an in-depth look at the biological world that surrounds them. Students in this course will study cell biology, genetics, cell energetics, and human systems giving them a foundation for other advanced biological sciences. Lab and field work will help students develop techniques in subsequent science courses.

***Students who successfully complete this course will receive three additional points added to their semester averages.***

## Chemistry

Grade: 10

Two Semester Course

Credit: 1.0

Prerequisite: Algebra 1

This course covers the basic chemistry concepts and vocabulary as well as general thinking skills and laboratory techniques that will provide the students with a solid foundation and prepare them for college science courses. The approach, involves primarily an exploration of the mathematical relationships involved in chemical change. Laboratory work is stressed, and focuses on careful analysis of data and the resulting mathematical relationships.

## Chemistry Honors

Grade: 10

Two Semester Course

Credit: 1.0

Prerequisite: Geometry

Recommendation: PSAT score of 950 or higher

This course covers the basic chemistry concepts and vocabulary as well as general thinking skills and laboratory techniques that will provide the students with a solid foundation and prepare them for college science courses. The approach, involves primarily an exploration of the mathematical relationships involved in chemical change. Laboratory work is stressed, and focuses on careful analysis of data and the resulting mathematical relationships. It also provides "hands-on" experience with chemistry and shows how chemistry concepts apply to today's society. ***Students who successfully complete this course will receive three additional points added to their semester averages.***

## Environmental Science

Grade(s): 11, 12

Two Semester Course

Credit: 1.0

Prerequisites: Biology, Chemistry

The purpose of this course is to explore ecological principles, biotic interrelationships in aquatic and terrestrial communities and environmental issues that have national and global effects. The goals of the course are to investigate environmental concepts, organize the information, and provide a framework to facilitate student comprehension of ecological principles.

## Physics

Grade(s): 11, 12

Two Semester Course

Credit: 1.0

Prerequisites: Biology, Chemistry

Physics provides the students with an introduction to the study of physics. This course explores physics primarily from a conceptual basis but includes some mathematical applications. Topics of study include kinematics, dynamics, simple machines, work, heat, electricity, magnetism, light, optics, and modern physics. Laboratory experiments are an integral part of this course. A calculator is required.

## Human Anatomy

Grade(s): 11, 12

Two Semester Course

Credit: 1.0

Prerequisites: Biology, Chemistry

Recommendation: PSAT score of 950 or higher

This course surveys human body systems. The purpose of the course is to provide an understanding of body structure in health and disease. The goals of the course are to organize the information and provide a conceptual framework to facilitate student comprehension and mastery of anatomical structured. This course is a introductory course for specialization in allied health disciplines.

## Anatomy & Physiology (H)

Grade(s): 11, 12

Two Semester Course

Credit: 1.0

Prerequisites: Biology, Chemistry

Recommendation: PSAT score of 1000 or higher

This course surveys human anatomy and physiology. The purpose of the course is to provide an understanding of body structure and function in order to predict the responses of the body in health and disease. The goals of the course are to organize the information and provide a conceptual framework to facilitate student comprehension and mastery of anatomical structured physiological function. This course is a foundation course for specialization in allied health disciplines. **Students who successfully complete this course will receive three additional points added to their semester averages. Offered on a rotating schedule in even school years.**

## AP Biology

Grade(s): 11, 12                                      Two Semester Course                                      Credit: 1.0  
Prerequisites: Biology and Chemistry  
Recommendation: PSAT score of 1050 or higher

From the smallest units of life to how healthy ecosystems can be sustained; AP Biology explores the key principles of biology. The student learns about evolution, genetics and how it affects evolution, how energy flows through ecosystems and how biological systems interact, and how system interactions exhibit complex properties. The student will also learn how to think critically, solve problems, and communicate scientific ideas effectively. **Students who successfully complete this course and take the AP exam will receive eight additional points added to their semester averages.**

## AP Chemistry

Grade(s): 11, 12                                      Two Semester Course                                      Credit: 1.0  
Prerequisites: Biology, Chemistry (Honors Chemistry preferred)  
Recommendation: PSAT score of 1000 or higher

This second year Chemistry course is designed for the college-bound student who intends to study an engineering related field and not related to the medical sciences. College level labs, suggested by the College Board, are presented on a weekly basis. The pace and depth of the course is designed to prepare the student for College Board Advanced Placement testing in the spring. **Students who successfully complete this course and take the AP exam will receive eight additional points added to their semester averages.**

## AP Environmental Science

Grade(s): 11, 12                                      Two Semester Course                                      Credit: 1.0  
Prerequisites: Biology, Chemistry  
Recommendation: PSAT score of 1000 or higher

The purpose of this course is to explore ecological principles, biotic interrelationships in aquatic and terrestrial communities and environmental issues that have national and global effects. The goals of the course are to organize the information and provide a conceptual framework to facilitate student comprehension and mastery of ecological principles. **Students who successfully complete this course and take the AP exam will receive eight additional points added to their semester averages.**

## AP Physics 1

Grade(s): 11, 12                                      Two Semester Course                                      Credit: 1.0  
Prerequisites: Biology, Chemistry, Algebra 2  
Recommendation: PSAT score of 1000 or higher

The Physics 1 AP course is an introductory college-level course that explores a broad range of

principles including kinematics, forces, circular motion, gravitation, energy, momentum, simple harmonic motion, rotational motion, and fluids. Special emphasis is placed on scientific thinking and communication, in addition to problem solving skills. Students receive experience in a laboratory setting closely analogous to a university laboratory and are challenged to design and execute experiments to verify the concepts learned in class. The pace and depth of the course is designed to prepare the student for College Board Advanced Placement testing in the spring. **Students who successfully complete this course and take the AP exam will receive eight additional points added to their semester averages.**

## AP Physics C

Grade(s): 11, 12

Two Semester Course

Credit: 1.0

Prerequisites: AP Physics 1; Concurrent enrollment in AP Calculus AB

Recommendation: PSAT score of 1050 or higher

AP Physics C is a calculus-based introductory college-level physics course. Students will explore a broad range of physics principles including kinematics, forces, energy, momentum, rotational dynamics, oscillations, electric charges, electric fields, Gauss's Law, electric potential, conductors and capacitors, electric circuits, magnetic fields and electromagnetism, and electromagnetic induction. Special emphasis is placed on developing robust problem solving skills. Students receive experience in a laboratory setting closely analogous to a university laboratory and are challenged to design and execute experiments to verify the concepts learned in class. The pace and depth of the course is designed to prepare the student for College Board Advanced Placement testing in the spring, including the AP Physics C - Mechanics Exam as well as the AP Physics C - Electricity and Magnetism Exam. **Students who successfully complete this course and take the AP exam will receive eight additional points added to their semester averages.**

# ELECTIVES

Elective courses provide students with the opportunity to explore their God-given talents and interests beyond core subjects. These classes encourage creativity, critical thinking, and personal growth as students discover new ways to honor God through their learning. Whether in the arts, technology, or other areas, electives equip students to develop skills and passions that glorify the Lord and prepare them to serve others.

**LET THE WISE  
HEAR AND  
INCREASE IN  
LEARNING, AND  
THE ONE WHO  
UNDERSTANDS  
OBTAIN  
GUIDANCE.  
PROVERBS 1:5**

### Computer Science 1

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

In Computer Science I, students will explore the basic and intermediate systems for how computers process information. Computer programming will lean hard and specifically into JavaScript. Using the ProcessingJS library students will experiment with the visual nature of computer programming, and problem solving all while learning the foundational structures of Computer Science. The skills and knowledge covered in this class will prepare students for AP Computer Science A, as well as be easily transferable as students learn other computational languages in their future.

### AP Computer Science A

Grade(s): 10, 11, 12

Two Semester Course

Credit: 1.0

Prerequisite: Computer Science 1

Java is one of the most used programming languages in the world. This course will take a deep dive into the skills, functions, and strategies to get the most out of computer programming. Content and curriculum for this course will prepare students to confidently build their own programs and solve the problems of the future. While this course will specialize in the Java language, the skills gained in this class will make learning new programming languages easy. Programming experience is strongly encouraged. **Students who successfully complete this course and take the AP exam will receive eight additional points added to their semester averages**

### Philosophy: Ancient

Grade(s): 10, 11, 12

Two Semester Course

Credit: 1.0

Through a close reading of the texts, the students will obtain an understanding of Plato's theory of being, theory of knowledge, and his ethical theory as expressed in The Republic and will develop an understanding of Aristotle's philosophy in the Nicomachean Ethics. By carefully engaging these texts, the student will become familiar with the methods of philosophy as well as its central questions with the goal of recognizing the importance of Plato and Aristotle as cornerstones of the western intellectual tradition. This course is offered on a three-year rotation in conjunction with the other philosophy courses.

### Philosophy: Medieval & Modern

Grade(s): 10, 11, 12

Two Semester Course

Credit: 1.0

A survey of medieval and modern, including but not limited to Boethius, Anselm, Aquinas, Descartes, Berkeley, and Hume. In this course, students learn the importance of theism in the history of western thought, understand how a belief in God fits together with various philosophical positions, and become familiar with various philosophical issues - including the concept of divine simplicity, the conflict between empiricism and rationalism, and the conflict between realism and idealism. Emphasis will be placed on evaluating arguments while simultaneously learning to give a charitable and close reading to the texts. This course is offered on a three-year rotation in conjunction with the other philosophy courses.

### **Philosophy: Contemporary**

Grade(s): 10, 11, 12

Two Semester Course

Credit: 1.0

A survey of contemporary philosophy and philosophers focusing on the advent and development of analytic philosophy. In addition to a general survey of the contemporary philosophical landscape, students learn developments in analytic philosophy have been applied with increasing sophistication to issues in natural theology and philosophy of religion. Emphasis will be placed on evaluating arguments while simultaneously learning how to give a charitable and close reading to the texts. This course is offered on a three-year rotation in conjunction with the other philosophy courses.

### **Practical Politics**

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

This elective course will examine current issues from a traditional Christian perspective and, where applicable, the American Founder's original intent. Such issues could include 1<sup>st</sup> Amendment rights (freedom of religion, speech, and assembly), 2<sup>nd</sup> Amendment rights, abortion, capitalism, socialism, criminal justice, and various social issues. Students will explore these issues from the above perspectives, understand what they believe, and be able to articulate and defend their positions. Our desire is for students to become societal influencers in order to make a difference in our nation and world, rather than mere bystanders. We would also explore ways to become involved in politics and what it takes to organize a political campaign. The goal would be to encourage students to participate in politics at some level: from working in a campaign, to becoming a staff member of an elected official, or even becoming a candidate for public office themselves.

### **Robotics**

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

This course is designed to develop science, technology, engineering, and math skills through design thinking and student-centered inquiry. Students will participate in a competition designed and administered by the FIRST (For Inspiration and Recognition of Science and Technology) organization. Students will learn basic robot design, construction, and programming.

# ELECTIVES

## **Arts:**

- Art: Introduction to Drawing
- Art: Introduction to Printmaking
- Art: Sculpture & Ceramics Part 1 and 2
- Advanced Art (AP Art 2D, AP Art 3D, AP Art Drawing)
- Applied Music
- Choir
- Introduction to Theater
- Theater
- Technical Theater
- Guitar 1
- Orchestra
- Yearbook

## **Business:**

- Entrepreneurship I, II, III
- Personal Finance
- Intermediate Investing
- Advanced Investing
- BH Business Experience
- Career Development
- Leadership

## **Computer Science:**

- Computer Science 1
- AP Computer Science A
- Robotics

Philosophy

Practical Politics