

Wilmington Christian School High School Course Descriptions

Updated: May 19, 2016

Courses are grouped by subject areas. The subject areas are arranged as follows:

- 1 Bible
- 2 Computer Science
- 3 English
- 4 Fine Arts
- 5 Foreign Language
- 6 Physical Education, and Safety
- 7 Mathematics
- 8 Science
- 9 Social Studies
- 0 Student Aides/Miscellaneous

Each course is assigned a four-digit number that indicates the subject area, grade level, and difficulty of the course.

The first digit of that number indicates the subject area in which it belongs. For example, course #1250 would be a Bible course because a '1' is the first digit.

The second digit of that number indicates the grade level of the students normally taking the course. A 100 level course is normally taken by freshmen, a 200 course by sophomores, a 300 course by juniors, and a 400 course by seniors. If the course is taken by more than one grade level the number will correspond to the lowest grade level of the students normally taking the course. For example, a course taken by juniors and seniors would be given a 300 number.

The third digit of that number indicates the difficulty level of the course. A third digit of '1' is a basic required course or a level 1 course; '2' is a level 2 course; '3' is an honors course (level 3); and '4' is an advanced placement course.

The fourth digit of that number is used merely to distinguish courses within a subject area. 2

Bible

9 Bible: Acts (1111) ½ credit

Prerequisites – Freshman weight – 1.0

This class will be an expositional study of the Acts of the Apostles.

10 Bible: Bible Doctrine (1211) ½ credit

Prerequisites – Sophomore weight – 1.0

This class will be an exploration of the basic beliefs of scripture. Students will also investigate the beliefs of their local churches.

11 Bible: Hebrews (1311) ½ credit

Prerequisites – Junior weight – 1.0

This class is an expositional study of the book of Hebrews. We will particularly focus on the author's call to hold on until the return of Christ.

12 Bible: Apologetics (1411) ½ credit

Prerequisites – Senior weight – 1.0

Apologetics is a defense of the faith. Students will be learning how to engage with other worldviews from a biblical perspective. Students will explore a biblical view of a variety of topics, culmination in a presentation to their peers.

Foundations of the Bible (1213) ½ credit

Prerequisites – None weight – 1.0

“Foundations of the Bible” is a fundamental course designed for the student who has little or no understanding of the Holy Scriptures. The course introduces the foundational, historical, and doctrinal principles needed to have a primary grasp of Biblical knowledge including: creation, the Fall, the Ten Commandments, the birth of Jesus, the death and resurrection of Jesus, the doctrine of salvation, heaven and hell, and the visible and bodily return of Jesus. This course will be assigned in place of the grade level Bible courses.

Minor Prophets (1116) ½ credit

Prerequisites – Freshman weight – 1.0

This class is an expositional study of the book of 1 Peter. 3

1 Peter (1216) ½ credit

Prerequisites – Freshman weight – 1.1

This class is an expositional study of the book of 1 Peter.

Romans (1221) ½ credit

Prerequisites – Sophomore, Junior or Senior weight – 1.1

This is an expositional study of the great doctrines and doctrinal words of the Bible. This class will be a straight-forward look into Paul's theology.

Revelation (1222) ½ credit

Prerequisites – Sophomore, Junior or Senior weight – 1.1

This is an expositional study of John's revelation with all viewpoints on end-times being presented. There will be no sensationalizing of the Second Coming of Jesus, but this course will let the verses say what they were meant to say.

Church History (1224) ½ credit

Prerequisites – Sophomore, Junior or Senior weight – 1.1

This class traces the history of the Christian faith from Pentecost (Acts 2) to modern day issues within the church. Special emphasis will be placed on the early church fathers and the European Reformation.

A Man of God (1114) ½ credit

Prerequisites – None weight – 1.0

This course will be a study of what the Bible says about: "What is a man?", "What is a man of God?", and "What are the qualities of a man of God?" The course content will include: creation, the Fall of man, salvation, restoration, sanctification, the Fruit of the Spirit, Godly leadership, discipleship, and gifts given to us by God. The textbooks for the course will be the Bible and a few short books written on the subject of Biblical manhood.

(Not currently offered)

A Woman of God (1115) ½ credit

Prerequisites – Freshman or Sophomore weight – 1.0

This class helps young ladies deal with the issues they face from a Christian perspective. The course content includes: Who we are in Christ, body image, self worth, walking in 4

the Spirit versus walking in the flesh, healthy relationships, standing up for Christ, the Proverbs 31 woman and more. Students will also take a spiritual gifts assessment. Young women will be challenged to grow spiritually and to continue on the path that God has for their lives.

Bible Study Methods and Leadership (1223) ½ credit

Prerequisites – Sophomore, Junior or Senior weight – 1.1

Bible Study Methods and Leadership formalizes our approach to the study and understanding of Scripture. The fruits of our study becomes the basis for explaining and teaching God’s Word to others in small groups/ Bible study formats.

Worship Leadership (1214) ½ credit

Prerequisites – Sophomore, Junior or Senior weight – 1.0

This class combines musical technique with Biblical truth in order to develop current and future worship team members.

Computer Science

Computer Programming (2115) ½ credit

weight – 1.0

An introduction to the theory and practice of computer programming, the emphasis of this course is on learning the fundamentals of computer programming using one specific object-oriented language. Topics include control structures, objects, classes, inheritance, data structures, and basic concepts of software development. Currently, Python is the programming language used in the course. This is a prerequisite for students who wish to enroll in the game programming course.

Computer Programming II (2116) ½ credit

Prerequisites – Computer Programming weight – 1.1

This is a prerequisite for students who wish to enroll in the game programming course.

Game Programming (2221) ½ credit

Prerequisites – H. Algebra II and Computer Programming weight – 1.1

Or H. Algebra II and Art I and Introduction to Computer Science

This course is an introduction to the theory and practice of video game design and programming. Video game programming is one of the most challenging disciplines in computer science because it attempts to combine, in real time, concepts in: computer graphics, human computer interaction, networking, machine learning, computer aided 5

instruction, computer architecture, and databases. Students will form project groups to design, build and demonstrate a simple video game for Xbox 360, Playstation, iOS or the web.

Client Side Web Programming (2222) ½ credit

Prerequisites – Intro. To Computer Science, Geometry weight – 1.0

Designed to appeal to a diverse audience, this course is appropriate for the student interested in either website development or programming in general. Students will learn how web servers, web browsers, client-side scripts, and server-side scripts all interact to produce what people encounter when they use the web. Students will learn xhtml and CSS. The course will also introduce the use of JavaScript to create dynamic mobile-friendly websites and web based applications.

Advanced Topics in Computer Science (2321) 1 credit

Prerequisites – Department approval weight – 1.25

This course is designed to encourage students to develop expertise in specific technology areas. Students will work together on projects which will be designed with those students in mind. Students will learn how to work together on large scale projects which require collaboration among several developers. Previous projects have included XML and XSLT, game programming in Java, iOS application development, robotics and ...

AP Computer Science Principles (2241) 1.5 credit

Prerequisites – Teacher approval weight – 1.3

AP Computer Science Principles introduces students to the central ideas of computer science, inviting students to develop the computational thinking vital for success across multiple disciplines. The course is unique in its focus on fostering students to be creative and encouraging students to apply creative processes when developing computational artifacts. Students design and implement innovative solutions using an iterative process similar to what artists, writers, computer scientists, and engineers use to bring ideas to life.

English

9 Level 1 English (3111) 1 credit

Prerequisites – none weight – 1.0

Students will explore classic literature including short stories, novels, poetry and a Shakespearean play. Paragraph writing, grammar proficiency and vocabulary development will also be emphasized. Improvement of reading skills will be stressed.

9 Level 2 English (3121) 1 credit

Prerequisites – Department criteria on standardized tests and department placement weight – 1.1

Students will analyze short stories, poetry and a Shakespearean play. An emphasis will be placed on the study of literary devices in the context of these works. Composition will focus on the analytical five-paragraph and persuasive essay. Grammar and vocabulary development will be incorporated into this course. 6

9 Honors English (3131) 1 credit

*Prerequisites – B+ or better in 8th grade English, weight – 1.25
department criteria on standardized tests, and department placement*

Students will analyze short stories, novels, a Shakespearean play and poetic works. Novels by Dickens' will be studied with emphasis being placed on literary devices, themes, and the classic nature of the stories. Students will study classic poetry and will examine poetic devices. Grammar and vocabulary development will be incorporated into this course. Students will practice analytical writing, including the five-paragraph essay. Finally, students will write a research paper using the MLA format.

10 Level 1 English (3311) 1 credit

Prerequisites – 9 English weight – 1.0

This course is designed to expose students to English literature from all genres. *Beowulf*, *Canterbury Tales* and *A Tale of Two Cities* are some of the works that will be studied. Students will also write a term paper on a selected topic from British literature. Vocabulary and grammar development will be stressed throughout the course. In addition, students will work on essay writing in preparation for the PSAT and SAT.

10 Level 2 English (3321) 1 credit

Prerequisites – 9 English and department placement weight – 1.1

This course combines a survey of major literary eras and genres, stressing British literature. Selections of poetry, essays, drama, and narratives will be chosen from the numerous periods of English literature. Emphasis will focus on the research paper. In anticipation of the PSAT, grammatical points will be reviewed and five paragraph persuasive writing will be assigned. Continued emphasis will be placed on consistent vocabulary development.

10 Honors English (3331) 1 credit

*Prerequisites – B+ or better in 9 Honors English, department weight – 1.25
criteria on standardized tests, and department placement*

Students will study British literature from 700 A.D. through 1989 A.D. Emphasis will be placed on the contrast between those writers who rejected Christianity and those, like C.S. Lewis, who were apologists for Christianity. Students will write a research paper on a topic from British literature using the MLA format. Other types of essays will be written in conjunction with the study of British literature. Students will prepare for the PSAT by writing persuasive essays and by working through assignments from an SAT preparation workbook. 7

11 Level 1 English (3211) 1 credit

Prerequisites – 10 English weight – 1.0

Students will study selections from American Literature including two novels. Many genres will be analyzed. Instruction for writing a formal term paper is presented. Students will select and research a topic from American Literature. SAT preparation is included in this course through vocabulary building, grammar and writing practice.

11 Level 2 English (3221) 1 credit

Prerequisites – 10 English and department placement weight – 1.1

Using selections from American literature, students will develop a greater understanding of literary genres. Students will be able to trace American literature from early Puritan writers to the authors of the present day. There will be a special emphasis on the novel and the research paper. SAT preparation is included in this course.

11 Honors English (3231) 1 credit

*Prerequisites – B+ or better in 10 Honors English, department weight – 1.25
criteria on standardized tests, and department placement*

Using selections from American literature, students will develop a greater understanding of literary genres. Students will trace American literature from early Puritan writers to the authors of the present day. There will be a special emphasis on the novel and the research paper. Further study of literary forms, terminology, vocabulary, grammar, and oral skills will be included. Composition will deal with the development of the research paper. SAT preparation is included in this course.

12 Level 1 English (3411) 1 credit

Prerequisites – 11 English weight – 1.0

The emphasis in this course focuses on World Literature. Selections from ancient as well as modern periods will be studied. Students will practice different forms of writing including the development of a term paper covering a literary topic of their choice. Grammar and vocabulary development will continue to be an important part of this course. SAT preparation will be taught during the first marking period.

12 Level 2 English (3421) 1 credit

Prerequisites – 11 English and department placement weight – 1.1

Students will explore world literature taught from a thematic approach with the continued development of vocabulary, essay writing, and oral expression skills. In order to prepare students for the rigors of college-level work, writing covered will be literary analysis, narrative, persuasive, and research. Students will write a sample college application essay and a research paper. 8

12 Honors English (3431) 1 credit

*Prerequisites – B+ or better in 11 Honors English, department weight – 1.25
criteria on standardized tests, and department placement*

Students will study world literature from the ancient Middle East including Greek works written by Homer and Sophocles and a Shakespeare play. Students will also explore modern literature from South America, China and Africa. Advanced essay writing in literary analysis, narrative, persuasive, and research techniques will prepare students for the rigors of college-level work. Students will write a sample college application essay and a research paper as part of this course.

12 Advanced Placement Literature (AP) English (3441) 1 ½ credits

*Prerequisites – A in 11 Honors English, department weight – 1.3
criteria on standardized tests, and department placement;*

(maximum class size – 15)

AP English Literature is a demanding college-level course which requires in-depth reading of approximately ten works of recognized literary merit. Students will read, analyze, discuss, and evaluate novels, short stories, plays, and poems from various time periods by diverse authors. The class will also read and discuss articles written by literary critics. This kind of study will prepare students for the multiple-choice section of the AP literature exam; students will practice sample multiple-choice questions throughout the year. A great deal of writing is also required. Students will write several literary analysis essays, many AP exam timed writings, and a research paper. The goal of this curriculum is that AP English students will develop college-level critical analysis skills which will help them to excel in college.

Students will be required to take the Advanced Placement Exams in Literature in the spring and will pay for the textbook and supplies when registering for the class. AP Exam Fees are due on the day of the exam.

Journalism (3322) 1 credit

*Prerequisites – B or better in English, (3323) ½ credit
English teacher recommendation weight – 1.1*

Sophomore, Junior or Senior

Journalism is for tenth through twelfth grade students and *essentially* by *students* focused on the creation of a product – the Wilmington Christian School’s high school newsblog. Each year the student staff, with the instructor’s guidance, will decide how to produce the general layout of the blog, the content, and how to conduct staff meetings – all under the eye of the behind-the-scenes course instructor. Content-wise, the course has high standards, with an emphasis on crisp, engaging writing, and ever-improving technical details geared to provide its readers with a wide variety of articles, graphics and photos from which to read and peruse.

Yearbook (3312) 1 credit

*Prerequisites – Sophomore, Junior, (3313) ½ credit
or Senior weight-1.1*

3.0 GPA or higher (2.5 photographer), advisor approval 9

(maximum class size – 25)

In this course students learn to use the graphic In-design program necessary for the successful publication of the *Microcosm* and a spring supplement. Grades are determined by responsibility shown in completion of tasks, attention to details and meeting of deadlines. A cooperative team spirit is essential. Completion of work outside of the scheduled class may be required in order to meet deadlines. Juniors and Sophomores will be given preference.

Reader's Theater (3314) ½ credit

Prerequisites – Freshman weight 1.0

Classic plays from American, British and World Literature will be read orally during class. The works selected will represent dramatic works from a variety of time periods and styles. The plays will vary in length from full-length productions to one-act plays. Emphasis will be placed on theme development, staging techniques and dramatic contribution. The playwright's background and philosophy will also be studied. Each class member will be expected to be an active participant by assuming specific roles when assigned. Students will be encouraged to try out their acting ability as the course progresses.

(offered every other year 2017-18)

Classic Film Seminar (3325) ½ credit

Prerequisites – Junior or Senior weight – 1.1

This course will view and discuss such classics as *Citizen Kane*, *Casablanca*, and *Twelve Angry Men*. Various types of films will be studied, including comedy and suspense. Particular attention will be paid to character development in the films. Weekly questions will be assigned as well as an essay on each movie.

(offered every other year 2016-17)

Speech (3326) ½ credit

Prerequisites – Junior or Senior weight – 1.1

This elective is for students who would like to understand how communicating well gives people *control* and *confidence* over their lives; to learn how to *interact more effectively* and clearly in *informal, small group situations*; to learn strategies to *make a good impression on job or college interviews*; to learn how to *prepare, organize, research, and present different types of speeches* for various types of audiences. This course teaches students to conquer the *fear of public speaking* in a safe, encouraging environment. Students will participate in the ACSI Speech Meet in the spring.

Creative Writing (3327) ½ credit

Prerequisites – Junior or Senior weight – 1.1 10

In this elective students will study quality writing, learn techniques used in writing, and use their creativity to produce their own writings. A collection of original student work will be published by the students as a final project.

Fine Arts

Art I (4111) 1 credit

Prerequisites - none (4112) ½ credit

weight – 1.0

Students will learn several two or three-dimensional techniques using a variety of media. The vocabulary of art will be stressed as they begin to intelligently discuss images and forms.

Art II (4211) 1 credit

Prerequisites – Art I (4212) ½ credit

weight – 1.1

Art III (4311) 1 credit

Prerequisites – Art II (4312) ½ credit

weight – 1.1

Art IV (4411) 1 credit

Prerequisites – Art III (4412) ½ credit

weight – 1.1

Students will work with more personal freedom with artistic forms and images. They will be expected to work at a high level of self-expression and technique as they develop their ideas in various media.

A.P. Studio Art (4343) 1.5 credit

Prerequisites – Junior or Senior, weight 1.3

Department Approval

This course has been developed to accommodate students who have expressed an interest in completing their AP studio art drawing portfolio exam. This course is equivalent to a first year college art class and all students are expected to challenge themselves to develop mastery in the ideas, skills and ability in drawing. Therefore all content meets the requirements as stated on the student exam poster. Through direct teacher instruction, emphasis will be placed on the productions of a volume of quality pieces of artwork. Students will address all three sections of the portfolio: Quality, Breadth and Concentration.

Independent Study (4421) 1 credit

Prerequisites – Art I, Senior, (4422) ½ credit 11

Department Approval weight – 1.1

This course is designed for seniors who intend to major in art/design in college or who want to develop a focused area of art. It may be used to develop a portfolio for college admission or an art contest. An individual plan will be made for each student who must meet with the teacher a minimum of one time per week. Meeting time during an art class is preferred. Students must be able to work independently and be responsible to deadlines.

Drawing and Painting (4322) ½ credit

Prerequisites – None weight – 1.1

Students can expect to gain a strong foundation in a wide variety of media. Art works will be created in pencil, charcoal, pastel, pen and ink, watercolor and acrylic. After foundations are met, emphasis will be on the individual to develop (sketchbook) and exploration to create finished art works.

Digital Photography (4340) ¼ credit

Prerequisites – None weight – 1.1

Student must supply own digital camera.

What makes a great photo? How do you know if you have a “good eye”? These questions and more will be answered in Digital Photography. A balance of technical information and creativity will govern our exploration of digital photography. The class will include some experimentation with Photoshop and manipulated images. Student must have a DSLR camera.

Textile Art (4324) ¼ credit

Prerequisites – Sophomore, Junior or Senior weight – 1.1

Fibers, Fabrics and Fun! Students will create works of art using textiles as a medium. Feltmaking, paint, collage, mixed media, wearable art, stuffed “creatures”, repurposed garments, surface design, overdyeing, knit, crochet and weaving to name a few. No experience needed, just a desire to create. This course meets for one semester.

Sculpture (4327) ¼ credit

Prerequisites – Freshman weight – 1.1

Sculpture is an overview of basic skills used to create three dimensional works of art. With an emphasis on studio production, this course is designed to develop higher-level thinking, art-related technology skill, art criticism, art history and aesthetics. This is a hands-on course where students create three-dimensional objects. Students enrolled in this course will learn techniques to create sculptures in a variety of media including paper, paper-mache, plaster craft, paperclay, fiber and found objects as well as recycled art. A variety of artists will be explored.

Sculpture II (4329) ¼ credit 12

Prerequisites – Sculpture I weight – 1.1

Students will continue to explore additional media and techniques to develop more complex 3-D art.

Garment Construction (4118) ½ credit

Prerequisites – none weight – 1.0

Students will learn the fundamentals of clothing construction including fabric types, using a pattern and proper hand and machine sewing techniques as they sew garments including a skirt, pants and shirt. Students shall provide fabric and basic small tools and supplies. Students will use school-owned sewing machines.

Concert Choir (4113) ½ credit

Prerequisites – performance approval or audition weight – 1.0

Students in Senior High Chorus will receive instruction and gain experience in choral singing. They will be required to memorize a portion of their musical selections to be performed at school concerts, festivals, as well as several concerts during the school day or after school hours. Part of the grade will be contingent on attendance and participation at all scheduled performances. Students will also explore different styles of choral music through aural examples and class discussion.

Jubilee Singers (4123) ½ credit

Prerequisites- member of S.H. Chorus and performance approval weight – 1.1

Any student in Senior High Chorus may audition for the mixed choir Jubilee Singers, which meets on **Tuesday evenings from 7-8:30 pm**. No more than thirty-two students will be chosen for this select group. Jubilee Singers perform more challenging SATB choral music, and are also divided by gender to sing choral literature as the Women's and Men's Ensembles. Acceptance into Jubilee Singers secures the student's vocal position in the group, provided their level of commitment and positive attitude remains consistent. Part of the grade will be contingent on attendance and participation in all scheduled performances.

Concert Band (4114) ½ credit

Prerequisites – performance approval or audition weight – 1.0

Students will receive instruction and gain experience in group instrumental performance. The band will play at the Christmas Program, Spring Program, festival-type competitions or adjudications, as well as several concerts during the school day or after school hours. Wind players will be tested on their proficiency of playing, from memory, musical scales up to and including five sharps and flats. Percussionists will be tested on their proficiency of playing from memory forty snare drum rudiments. 13

String Ensemble (4120) 1/4 credit

Prerequisites – performance approval or audition weight – 1.0

This course is offered to any violin, viola, cello or string bass player who has a minimum of two years playing experience and is currently studying privately. Class meets one a week. The scope of the course is to prepare students to perform together for various concerts and festivals throughout the school year.

Jazz Band (4125) ½ credit

*Prerequisites – member of S.H. Band and weight – 1.1
performance approval*

The concept of big band jazz music will be introduced in this class. Improvisation, sight reading, and interpretation will be emphasized. The course is designed for advanced students who have a strong command of their instrument. Auditions are required to become a member of the Jazz Band and membership in high school concert band is required. **Jazz Band will meet on Monday and Thursday mornings from 7:15-8:00 am.** Part of the grade will be contingent on attendance and participation in all scheduled performances including the spring musical.

Music Theory (4321) ½ credit

Prerequisites – None weight – 1.0

Music Theory will include the study of basic and more challenging music theory, as well as ear training/sight singing exercises. Testing and situations within the class group or individually will help to improve their confidence level in sight singing, rhythmic training, and harmonic analysis. Students will also create small compositions for voice or instruments.

Music Theory 2 (4334) ½ credit

Prerequisites – Music Theory weight – 1.1

Music Theory 2 builds on the skills learned in Music Theory. The class includes an in depth study of scales, keys, rhythm, intervals and complex time signatures

Harmony and Arranging (4335) ½ credit

Prerequisites – Music Theory 2 weight – 1.1

Students must have mastered Music Theory 2 to advance to this course. This course includes: harmonizing with both major and minor I, IV, V, V7 chords, writing melodies, inversions, four-part writing for voice and instruments and transposition.

Harmony and Arranging II (4434) ½ credit

Prerequisites – Harmony and Arranging weight – 1.1 14

Students in this class will apply their knowledge of music theory to analyze and create musical compositions and arrangements. The rules of species 1,2,3 and 4 counterpoint will be learned and practiced through written exercises. Students will learn principles of proper voice leading and chord tendency in four part writing. Additionally, students will develop familiarity with the major instruments of the orchestra, band and choir as well as their transpositions. A culminating activity in this class will involve the composition of a new piece of music using multiple instruments and/or voices.

Jazz Aural & Theory (4416) ½ credit

Prerequisites – Music Theory 2 weight – 1.1

This course caters to intermediate and advanced music students who have an interest in jazz and improvisation. It is assumed that the student has a basic knowledge in standard notation, chord structure and scales.

A.P. Music Theory (4345) 1.5 credit

Prerequisites – Teacher approval – weight 1.3

The foundation of knowledge presented in this year-long course provides students with the opportunity to develop, practice and master music theory skills essential to success in post-secondary music theory coursework. The ultimate goal of this course is to develop a student's ability to recognize, understand and describe the basic materials and processes of music that are heard or presented in a score. This is promoted through integrated approaches to the student's development of aural, sight-singing, written, compositional, and analytical skills.

Foreign Language

Spanish I (5121) 1 credit

Prerequisites – C or better in 8th grade English weight – 1.1

This course will assist the student in acquiring a basic vocabulary and develop listening, reading, and speaking skills through the use of various communicative methods. Basic grammatical concepts are then introduced to help the students to communicate more on their own both orally and in writing. Students will also be introduced to the culture and history of Spanish speaking countries.

Spanish II (5221) 1 credit

Prerequisites – C or better in Spanish I weight – 1.1

This second year course begins with review of introductory grammar and vocabulary and continues with more fundamental concepts in the grammatical study of the language. The emphasis will be on practical language use. Students will encounter real life situations to practice their language skills.

Spanish III (5331) 1 credit

Prerequisites – C or better in Spanish II weight – 1.25

Students will put into practical use the application of learned grammatical structures both orally and in written form as they take a closer look at the geography and history of various Spanish-speaking countries. New advanced grammatical concepts will be 15

presented and students will use their language skills to write a children's book and read a mystery novel.

Spanish IV (5431) 1 credit

Prerequisites – C or better in Spanish III weight – 1.25

The students, having completed the groundwork in the structure and vocabulary of the language, are ready to put into application their understanding. The cultural study of the Spanish-speaking country continues with an emphasis on its history and different periods of literature. Students will read and discuss short stories and books in Spanish for continued oral practice. A thorough cultural study of a major Spanish-speaking country will also be undertaken.

German I (5122) 1 credit

Prerequisites – C or better in 8th grade English weight – 1.1

This course will assist the student in acquiring a basic vocabulary and develop listening, reading, and speaking skills through the use of various communicative methods. Basic grammatical concepts are then introduced to help the students to communicate more on their own both orally and in writing. Students will also be introduced to the culture of German speaking countries through the use of role play.

German II (5222) 1 credit

Prerequisites – C or better in German I weight – 1.1

The second year of German will continue to build on the foundations of the grammatical structure of the German language obtained in German I. There will be a continued emphasis on listening, reading, and speaking skills. Aspects of German culture will be presented through the use of short readings. The student will gain a better understanding of the German culture as he learns how to order a meal, read a train schedule, and ask for information in the German language.

German III (5332) 1 credit

Prerequisites – C or better in German II weight – 1.25

The third year of German continues in a study of the structure and vocabulary of the language. The focus shifts to a creative use of the language through the use of scenarios, role-playing, and essay writing. Students will write and 'publish' a children's book. In addition to these activities, they will learn about young people in Germany, what they do and do not like to do. Students will also learn how to form and express their opinion on a variety of topics.

German IV (5432) 1 credit

Prerequisites – C or better in German III weight – 1.25 16

The fourth year of German will focus on speaking, reading, and writing the German language through role-playing. Advanced grammatical structures will be taught in this course. The student will then use his skills to read short stories and plays in the foreign language. The class also explores important events and people in Germany's history.

Physical Education and Safety

9 Physical Education (Girls – 6111; Boys – 6112) ½ credit

Prerequisites – none; required freshman year weight – 1.0

Physical Education at the ninth grade level is a two tiered approach that:

1. Develops the student as participant and spectator. Classes are designed to develop team morale, good sportsmanship, and specific skills in a variety of team sports as well as mastering an understanding of the rules and history of the games.
2. Provides students with the knowledge of multi-sport physical fitness as well as giving them the hands on experience in improving their own individual levels of fitness. They will gain this knowledge and experience through a small education portion, as well as participate in a variety of challenging strength and cardio circuit drills.

10 Physical Education (Girls – 6211; Boys – 6212) ¼ credit

Prerequisites – none weight – 1.0

Physical Education at the 10th grade level will develop the student in all three dimensions – the body, mind and heart (soul). It will be a multi pronged approach that will rotate classes to cover the following areas.

1. The Body: With main focuses on high intensity interval training (HIIT) and cross training, the students are guaranteed to break a sweat and have a good time. These classes may include, but are not limited to: plyometric movements, sprints, calisthenics, strength training and flexibility.
2. The Mind: An assortment of Health topics and current issues will enable the student to understand how to live a solid Christian life in a complex world.
3. The Heart: Utilizing Biblical references and leadership lessons the student will develop their own unique set of values and understand how to be a Christian leader.

11/12 Physical Education (6311) ¼ credit

Prerequisites – none weight – 1.0

Physical Education at the 11th & 12th grade level is an elective that is designed to encourage activity through P.E. course choice. Students are taught to maintain their fitness level while choosing activities that they enjoy participating in.

6311A – Life Time Sports (Bowling, Badminton, Table Tennis , Golf)

6311B – Basketball/Handball

6311C – Floor Hockey/Soccer

6311D – Fitness Center

11/12 Physical Education: Principles of Sports Training (6312) 1/4 credit - NEW COURSE-

Prerequisites – none weight 1.0 meets 2x a week

This Physical Education class will provide students with the knowledge of multi-sport physical fitness as well as giving them the hands on experience in improving their own individual levels of fitness. With main focuses on high intensity interval training (HIIT) and cross training, the students are guaranteed to break a sweat and have a good time. These classes may include, but are not limited to: plyometric movements, sprints, calisthenics, strength training and flexibility. Weather pending, this class can be either indoor and/or outdoor. Any student that is interested in cross training for fitness and/or athletics is encouraged to sign up!

Introduction to Athletic Training (6316) 1/2 credit Prerequisites – Junior or Senior weight – 1.0

This course provides an overview of various fields of athletic training and sports medicine. Students will learn how to use training equipment and materials, procedures for athletic training, and the role of trainers as care providers. They will examine the organizations, regulations and ethics that govern the profession.

Physical Education Aide (6313) 1 credit

Prerequisites – Junior or Senior, (6314) ½ credit

Teacher approval (6315) ¼ credit

A student will assist in taking attendance, instruction, officiating and supervision of Physical Education classes.

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Athletic Participation (6114) ¼ credit

Prerequisites – none weight – 1.0

Students may elect to satisfy up to 1/2 of the 1 credit of physical education required for graduation. A student must participate for a full season as a player on a junior varsity or varsity sports team to earn the physical education credit. A student may earn 1/4 credit per sport. Regardless of how many sports a student participates in, he/she may only earn 1/2 credit towards the physical education requirement. A student may not earn physical education credits for being a manager of an athletic team. In order to receive credit, student must complete the Athletic Participation form found in the Guidance Office, obtain necessary signatures and turn in to the High School Office.

Driver Education (6213) ¼ credit

Prerequisites – 15 years of age or over by Pass/Fail

December 31st of the sophomore year

The Driver Education program is offered one semester to every student during their sophomore year. The program is supervised and conducted by the State Department of Public Education and the local district. Non-public school driver education teachers are approved annually by the State Board of Education. The purpose of driver education and traffic safety is to provide students with the knowledge, attitudes, and competencies needed to become safe, responsible members of the highway transportation system. To achieve this purpose, the driver education program is based on an analysis of the mental, physical, and social skills a student must perform when operating a motor vehicle on the roads. The course is graded Pass/Fail.

Please note: Out-of-State students are required to pay a fee in order to take Driver Education. This is required by the Department of Education.

Mathematics

Algebra I (7112) 1 credit

Prerequisites – none weight – 1.0

The solution of linear equations and inequalities together with the graphing of linear functions form the core of this course. Polynomial operations and factoring are thoroughly developed and applied to algebraic fractions. Within the structure of the real number system, students are introduced to systems of linear equations, radical equations, quadratic equations, and fractional equations. Verbal problems are used throughout the course to relate algebra to everyday situations and to develop problem-solving skills. 18

Basic Algebra Part I (7111) 1 credit

Prerequisites – none weight – 1.0

Basic Algebra is a two-year course that is recommended for the business student or college-bound student who is less skilled in mathematics. The two courses together include all the same topics taught in the Algebra I course, but at a slower pace and with less complex problems. A student who completes both years of the course successfully receives two credits.

Basic Algebra Part II (7211) 1 credit

Prerequisites – Basic Algebra Part I weight – 1.0

See above.

Geometry (7122) 1 credit

Prerequisites – Algebra I, weight – 1.1

Department placement

The focus of the course is on the properties of plane geometric figures: triangles, circles, parallelograms, and other polygons. The concepts are presented in the framework of a deductive logical system. The student is taught to write formal proofs involving congruence and similarity of geometric figures. Computer programs are used to assist in the exploration of geometric concepts. Formulas for areas and volumes of geometric figures are developed and applied. Additional topics include: three-dimensional space, coordinate geometry, locus, and constructions with straight edge and compass.

Honors Geometry (7132) 1 credit

Prerequisites – C or better in Honors Algebra I, department placement weight – 1.25

The student who is very proficient in mathematics or who anticipates pursuing a career in mathematics, science, or engineering is encouraged to select the honors level course.

The course covers all of the same topics as the geometry course, with additional work in coordinate geometry and transformations. Greater emphasis is placed on formal proofs, and problems discussed are more complex.

Basic Geometry (7312) 1 credit

Prerequisites: Basic Algebra Parts I & II, weight – 1.0

department placement or Algebra I

Basic Geometry is recommended for the college-bound student who is less competent in mathematics. The course covers the properties of lines and angles, triangles, congruence, similarity, polygons, circles, and applications of formulas for areas and volumes. More emphasis is placed on applications of concepts and less on formal proofs.

Financial Planning and Business Mathematics (7314) 1 credit

Prerequisites – Algebra I or Basic Algebra Part I and II weight 1.0

The goal of Practical Mathematics is to prepare students to manage successfully their personal financial affairs. Students will review the basic operations of Algebra I as well as explore the practical concepts of logical reasoning, estimating, problem-solving, probability, and break-even analysis. Students will learn to use these mathematical concepts in a wide variety of consumer applications: banking, merchandising, insurance, income taxes, home and automobile ownership, and investments (stocks, bonds, and mutual funds). The course will also stress the wise stewardship of God's provision.

Algebra II (7221) 1 credit

Prerequisites –department placement weight – 1.1

Logical foundations for concepts as well as manipulative skills and problem solving techniques are stressed. The student learns to solve and graph systems of linear and quadratic equations and inequalities. Within the structure of the complex number system, fractional equations, radical equations, and quadratic equations are solved. Additional topics include conic sections, exponential equations, and logarithmic equations.

Honors Algebra II (7231) 1 credit

*Prerequisites –Honors Geometry, weight – 1.25
and department placement*

The student who is very proficient in mathematics or who anticipates pursuing a career in mathematics, science, or engineering is encouraged to select the honors level course. The course covers all of the same topics as the Algebra II course, with additional work in matrices and determinants, sequences and series, three-dimensional graphing, and graphs of polynomial functions. Greater emphasis is placed on the structure of mathematics, and applications are more challenging.

Advanced Algebra and Trigonometry (7321) 1 credit

*Prerequisites – Algebra II, Geometry, weight – 1.1
and department placement*

Topics in advanced algebra, trigonometry, and analytic geometry are related to prepare the student for non-calculus college mathematics courses. Topics in trigonometry include inverse trigonometric functions, solution of triangles, circular functions and their graphs, addition formulas, and trigonometric equations. Advanced algebra topics include roots and graphs of polynomial functions, the conic sections, exponential and logarithmic functions, sequences and series, probability, statistics, and matrices. Students are required to purchase a TI-83 plus calculator or a TI-84 graphing calculator.

Honors Pre-Calculus (7331) 1 credit

*Prerequisites – Honors Algebra II, Honors Geometry, weight – 1.25
and department placement 20*

Topics in advanced algebra, trigonometry, and analytic geometry are related to prepare the student for calculus and other college mathematics courses. Students use a graphing utility (Omnifarious Plotter) to solve problems on a computer. The course covers all of the same topics as the Advanced Algebra and Trigonometry course with additional work in Mathematical Induction, complex numbers in polar form, polar equations, generalized graphing techniques, vectors, and statistics. Limits of functions and the concept of the derivative are introduced. Students are required to purchase a TI-83 plus or a TI-84 graphing calculator.

Honors Calculus (7431) 1 credit

*Prerequisites – Honors Pre-Calculus, weight – 1.25
and department placement*

Honors Calculus is for students who are not planning to major in a math or science field in college but still desire to study calculus. The curriculum, while intense, will provide opportunities for students to apply calculus to real-world situations. The concepts of derivatives and integrals will be developed and used to solve many different types of problems. Students are required to have a TI-83 plus or a TI-84 graphing calculator.

Discrete Mathematics (7421) 1 credit

Prerequisites-Honors Alg. II or Algebra II weight-1.1

Discrete Mathematics is the study of mathematical properties of sets and systems that have only a finite number of elements. It is an elective mathematics course offered to juniors and seniors. Algorithmic thinking, recursive thinking, and mathematical induction are woven throughout the course. The main topics covered are: election theory, fair division, matrix operations and applications, graphs and sub graphs and their applications, logic, and counting principles and probability. A number of special assignments are given throughout the year. Students are required to have a TI-83 Plus or TI-84 graphing calculator.

Advanced Placement (AP) Calculus AB (7441) 1½ credits

Prerequisites – Honors Pre-Calculus; department placement weight – 1.3

(Maximum class size – 15)

The concept of the derivative is developed and applied to curve sketching, finding maximum and minimum values, and rates of change. Derivative formulas are learned for polynomial, trigonometric, exponential, logarithmic, and parametric functions. The concept of the integral is developed and applied to finding areas, arc lengths, work, and volumes of solids of revolution. Differential equations are solved using Euler's Method and a numeric algebra utility (MathCAD 4.0). Additional topics include trigonometric substitution, parts, and partial fractions, L-Hospital's Rule, continuity of functions, and improper integrals. *Students in this course are required to have a TI-83 plus or a TI-84 21*

graphing calculator, take the Advanced Placement Examination, and pay for the textbook and supplies when registering for the class. Payment for the AP exam is due on the day of the exam.

Advanced Placement (AP) Calculus BC (Distance Learning)(7442) 1½ credits

Prerequisites – AP Calculus AB; department placement weight – 1.3

(Maximum class size – 15)

AP Calculus BC is a second course in a single-variable calculus that would be equivalent to a second semester calculus course at most colleges and universities. Calculus BC is an extension of Calculus AB rather than an enhancement. The Calculus BC course will provide a deeper understanding of the concepts of limit, continuity, derivatives and integrals which were covered in Calculus AB. The major new topics covered in Calculus BC are parametric, polar and vector functions; slope fields; Euler's Method; L'Hopital's Rule; improper integrals; logistic differentiable equations; polynomial approximations and series; and Taylor series.

Science

Physical Science (8111) 1 credit

Prerequisites – None weight – 1.0

In this course the student is introduced to fundamental concepts of physics and chemistry. The student is also introduced to laboratory technique and safety while becoming a trained observer. Physical science develops an appreciation for natural events in everyday life. Topics of study include: fundamental chemistry, mechanics, light, sound, heat, and electronics.

Biology (8211) 1 credit

Prerequisites – Physical Science (laboratory science) weight – 1.1

This course provides the college bound student an understanding of life processes. The material is approached by reviewing the great diversity and variety of living organisms; the atomic and molecular structure of living matter; body systems; the structure and processes of cells; the reproduction, development, heredity, physiology and behavior of plants and animals; and the interaction of the organisms in the population's societies and communities. Laboratory investigations are an important part of the course. Students are expected to read regular assignments and prepare independent projects. Biology fulfills a laboratory science course requirement for some four year colleges.

Honors Biology (8131) 1 credit

Prerequisites – concurrent enrollment in (laboratory science)

Honors Geometry/department placement weight – 1.25 22

Honors Biology provides a challenging curriculum in biology for the student who aspires to a career in the biological sciences, health sciences, physical sciences, and technical fields such as computer science and engineering. This course includes an in-depth look at the cellular and molecular components of organisms. It stresses genetics, physiology, and animal similarities and differences. Students are given opportunities to celebrate human life as they contrast the Biblical truths of creation with the theory of evolution. Botany is covered and students gain a sense of the importance of good agricultural procedures. Students are required to do independent projects and will be given current readings to enhance their instruction. Laboratories are included on a regular basis to improve student understanding. Honors Biology fulfills a laboratory science course requirement for four-year colleges.

Chemistry (8321) 1-1/4 credit

Prerequisites – C or better in Algebra I, Biology (laboratory science)

weight – 1.1

Chemistry is a mathematically oriented course designed for the student who would like to take chemistry in preparation for science classes at the college level. It should be taken by all students who plan to pursue careers in mathematics, science, health, the chemical industry, home economics, business, technical fields and others that require a knowledge of chemistry. This course includes inorganic chemistry topics, nomenclature, theoretical topics of atomic and molecular structure as well as bonding, acid-base chemistry, oxidation-reduction, and organic chemistry. Opportunities are given for reading and writing across the curriculum. The laboratory is an integral part of every topic. Students are expected to work safely, maintain their assigned equipment, and submit regular lab reports.

Honors Chemistry (8231) 1-1/4 credit

Prerequisites –concurrent enrollment in Honors Algebra II (laboratory science)

Department placement weight – 1.25

Honors Chemistry is designed for the student who enjoys the challenge of a strong mathematical approach to modern chemistry. This course is highly recommended for science majors who desire a challenging background for health careers, engineering, chemistry, biology, and a variety of other careers that require college chemistry. Topics include: organic and inorganic nomenclature, molecular theory, stoichiometry, equation balancing including oxidation-reduction reactions, solutions, electrochemistry, equilibria, reaction kinetics, solubility products and other pertinent topics. Scientific literature will be used to broaden interest in this vibrant field. Students are expected to work safely, maintain their assigned equipment, and submit regular lab reports.

Advanced Placement (AP) Biology (8341) 1 ½ credits

Prerequisites – B or better in Honors Biology, B or (laboratory science)

Better in Honors Chemistry, and department placement weight – 1.3

(maximum class size – 15) 23

This course will cover all of the biological topics of the standard first year biological sciences course at the college level. The required AP laboratories are performed and graded. A college text will be used and purchased by the student in the class. *Students in this course are required to pay for the textbook and supplies when registering for the class and take the Advanced Placement Biology Exam in the spring. The AP Exam fee is due on the day of the exam.*

Physics (8322) 1-1/4 credit

Prerequisites – concurrent enrollment in (laboratory science)

Advanced Algebra/Trigonometry or Honors Pre-calculus weight – 1.1

Physics develops the student's understanding of the relationship between energy and matter. The student is equipped with the fundamental knowledge, philosophy, and skills needed to accurately explore and describe these relationships. Although lengthy excursions into engineering are avoided, the student should develop the habit of searching out applications of physical law. Laboratory experience is geared toward developing inquiry and problem-solving skills. Topics of study include: kinematics, dynamics, waves, heat, sound, light, and electricity.

Honors Physics (8331) 1-1/4 credit

Prerequisites – concurrent enrollment in (laboratory science)

Honors Pre-calculus or AP Calculus weight – 1.25

See above description for Physics.

Honors Anatomy and Physiology (8432) 1 credit

*Prerequisites – B or better in Biology and C or better weight – 1.25
in Chemistry, department placement*

This course is designed for the student who is planning to go into a health, biological science, or medical related career. The course will feature an in-depth study of human systems. The students will be expected to read articles from scientific literature on related topics and present oral and written reports.

Ecology (8311) ½ credit

Prerequisites – Junior or Senior weight – 1.0

This course is intended for students who are interested in further investigation in biological science. It does not require an extensive math background. Course content includes basic ecological principles and applications, such as pollution, species extinction, and population growth. The principle of Christian stewardship of God's creation provides a unifying theme for these topics. Class work includes long-term laboratory investigations, outdoor lab work and writing assignments as well as traditional methods. 24

Marine Science (8312) ½ credit

Prerequisites –Junior or Senior weight – 1.0

This course is designed for those students who do not have extensive math background, but who want to fulfill their science course requirements. This course focuses on plant and animal life in fresh and salt water with main concentration in the study of the oceans. Study of ocean geology, climate and environmental issues and disasters will be covered. Marine plants, vertebrates and invertebrates as well as some extraordinary creatures are studied. Some labs and dissections are also included.

Forensic Science (8411) 1 credit

Prerequisites – Senior weight – 1.0

Forensic Science is any science used for the purposes of the law and provides impartial scientific evidence for use in investigations and court cases. What makes forensic science so exciting is the nature of the problems to be solved and the intrinsic rewards associated with such. Through simulations of different crimes, this course will address the observation, collection and classification of data, while the student looks for relationships, forms and tests hypothesis, and then comes to a conclusion or opinion. Students will be expected to then defend these conclusions based on their evidence and testing. The goal of this course is for students to become confident in their analysis of complex problems involving evidence, logic and uncertainty.

Social Studies**Civics (9111) 1 credit**

Prerequisites – none weight – 1.0

Civics is designed to acquaint the student with the principles of good citizenship. One semester covers the offices and operations of the executive, judicial, and legislative branches. Other topics covered are the law and an introduction to economics.

Western Civilizations (9211) 1 credit

Prerequisites – none weight – 1.0

Western Civilization presents a survey of world history that will help the student understand his/her own world. The complicated problems facing the world today cannot be understood without knowledge of what has gone before. The continuity of history-the influence of each era upon succeeding times-is important in the study of western civilization. The course covers the time period from the Early Middle Ages through the Enlightenment and the French Revolution. 25

American History (9311) 1 credit

Prerequisites – none weight – 1.0

This course surveys American History from the Civil War to the present. It is important to understand how our lives are interwoven with the lives of those who came before us in the fabric of history. This connection influences our social, moral, economic, and political systems. There will be a variety of activities including discussion, written reports, oral reports, and major projects which will be entered into competition.

Advanced Placement (AP) American History (9341) 1 ½ credits

Prerequisites – Junior; department approval weight – 1.3

(maximum class size – 15)

This course can be taken in place of *American History* (as a junior) or in addition to *American History* (as a senior). It is a college level course that surveys United States history from Native Americans to the present. Activities include textbook and outside reading, discussions, oral reports, and analysis of historical documents. *Students in this course are required to pay for the textbook and supplies when registering for the class and take the Advanced Placement American History Exam in the spring. The AP Exam Fee is due on the day of the exam.*

Political Science (9421) 1 credit

Prerequisites – none (Civics is recommended) weight – 1.1

This course engages the student in the study of democracy as contrasted with totalitarianism. United States Government is emphasized, as well as international organizations and thinkers. Long-standing social issues as well as current social issues are discussed and debated. There will be a variety of activities including research, debates, oral reports and interaction with guest speakers.

Currents Events (9321) .5 credit

Prerequisites – Junior or Senior weight 1.1

This course on current affairs is an elective surveying local/state/national and world news. Highlights will include viewing and discussing video news items, analyzing news articles, working with maps/charts/documents, and participating in debates and discussions. This will be a good opportunity to examine current events and ideas in the light of Biblical teachings.

Human Geography: Cultures in Contact (9221) 1/4credit

Prerequisites – Sophomore, Junior, Senior weight – 1.1

Students will look at the ways that humans interact with their geography and how geography affects group identity, history, economics, language and religion. The course will focus on issues of cultural memory, immigration, migration, population studies, industrialization, urbanization and globalization. Students will learn to interpret and use maps and data and read about and interpret their own geographic, regional, and cultural contexts.

Economics (9222) 1/4credit

Prerequisites – Sophomore, Junior, Senior weight – 1.1

This course is designed to give students an introduction to Micro and Macroeconomics. The students follow a broad survey of fundamental and microeconomic concepts including opportunity cost, productivity, supply and demand, markets, and competition. The students then pursue a more in-depth study of macroeconomic concepts including 26

GDP, employment, inflation and deflation, financial markets, and the role of government. Taught from a Christian perspective, this course provides an atmosphere in which the students may grow and develop an understanding of the Christian principles of stewardship, responsibility and community.

Modern World Cultures (9326) 1/2 credit

Prerequisites – Junior or Senior weight – 1.1

Students will survey Modern World Cultures through four areas of the world – Africa, Latin America, Europe and Asia. The focus will include the cultures of the post World War II era to modern times. Students will be interacting with literature, maps, videos, guest speakers and discussion of some historical and current events.

(Offered every other year 2016-17)

Survey of Social Sciences (9327) 1/2 credit

Prerequisites – Junior or Senior weight – 1.1

Students will survey key areas of social science. They will include economics, philosophy and psychology. Included will be discussions, videos, guest speakers, charts/graphs and case studies

(Offered every other year 2017-18)

Student Aides / Miscellaneous

Elementary Aide (0111) 1 credit

Prerequisites – approval of (0112) ½ credit

Elementary faculty (0113) ¼ credit

weight–1.0

This course will give the student an overview of what it is like working in an elementary school.

There are a variety of educational responsibilities performed ranging from designing a bulletin board to helping with a small reading group. The student will be placed with an elementary teacher that will determine the specifics of the aide's responsibilities. This is a Pass/Fail course.

Library Aide (0114) 1 credit

Prerequisites – approval of (0115) ½ credit

Librarian weight- 1.0

This school-service course will enable the student to learn much about the functioning of the library. Jobs will alternate during the year so that the student has experience in a variety of library responsibilities. This is a Pass/Fail course. 27

Teacher's Aide (0116) 1 credit

Prerequisites – approval of (0117) ½ credit

the teacher (0118) ¼ credit

weight-1.0

Chemistry Lab Assistant (0311) ¼ credit

Prerequisites – approval of the teacher weight-1.0

Office Aide (0312) 1 credit

Prerequisites – junior or senior (0313) ½ credit

weight-1.0

The responsibilities of this school-service course will be to assist the office staff. Working in the copy room, organizing materials and making deliveries are daily responsibilities. A general knowledge of office procedures will also be learned. This is a Pass/Fail course.