

INTRODUCTION TO THE PROGRAM OF STUDIES

The Program of Studies has been developed to assist you with determining the courses in which you wish to register. The course offerings that follow may change due to teacher allotments in each department.

Please read the course descriptions carefully. Pay particular attention to the credit a course carries and the prerequisites that may have to be completed before enrolling in that particular course. Students and parents with questions should contact the personnel at the school to get additional information. Specific questions should be addressed to the administration and/or counselor. Additional information about a particular course can be obtained by talking directly to the teacher or department head for that area.

Final exams in all courses are required and will count 25% of the final grade.

Pisgah High School's entire Program of Studies aligns with the Common Core Standards to prepare students for the 21st century global citizenship in an ever more complex and information driven world. Our curriculum focuses on life and career skills that promote cultural diversity; ethical and critical thinking and problem solving; communications and collaboration; information, media, technology skills; as well as creativity and innovation.

ENGLISH

HONORS ENGLISH COURSES

Honors/AP English courses require students to work as self-directed and reflective learners. These courses entail extension, acceleration, and enrichment of the NC Standard Course of Study (Common Core Curriculum). As students interact with increasingly complex texts, they approach course material with greater depth and rigor, accelerated pacing and complexity, and higher expectations for creativity. This course is expected to challenge students beyond the expectations for standard level courses. Higher level thinking skills, collaboration, and project-based learning are emphasized, as well as student performance in oral and written language, and interaction with media/technology.

Summer Reading Requirement: Honors/AP are expected to read literature, titles from an approved list, which will be provided by English teachers before school ends. Lists for each grade level are also posted on the PHS website.

ENGLISH I

Credit: 1 unit

Prerequisite: None

English I is a comprehensive study of literature by genre (i.e. short story, drama, epic poetry, nonfiction, poetry, and novel). With literature as the core of the curriculum,

additional study is given to grammar, vocabulary, composition, editing, research, multimedia, speaking and listening, and higher level thinking skills.

HONORS ENGLISH I

Credit: 1 unit

Prerequisite: Grade B or above in the 8th grade and/or teacher recommendation

Students in Honors English I will explore literature more widely and deeply, including more challenging texts. Students will also explore the ways that audience, purpose, and context shape oral communication, written communication, and technology and will engage in meaningful communication for expository, argumentative, and literary purposes.

ENGLISH II

Credit: 1 unit

Prerequisite: English I

This course is a survey course in world literature from ancient times to the present. Emphasis is placed on elements of good writing, analysis of literature, vocabulary development, research, multimedia and speaking and listening. **The course will also emphasize preparation for a state online English II EOC assessment that is required of all sophomore students.**

HONORS ENGLISH II

Credit: 1 unit

Prerequisite: Grade of B or higher in English I and /or teacher recommendation

Students in Honors English II will read, discuss, and write about both classical and contemporary world literature. They will examine pieces of world literature in a cultural context to appreciate the diversity and complexity of world issues. Students will continue to explore language for a variety of purposes, with an emphasis on informational contexts. **The course will also emphasize preparation for a state online English II EOC assessment that is required for all sophomore students.**

ENGLISH III

Credit: 1 unit

Prerequisite: English II

A survey course in American literature, English III emphasizes analytical, expository, and creative writing skills; grammar, vocabulary study, research, multimedia, speaking and listening, and higher order thinking skills and cooperative problem solving skills.

HONORS ENGLISH III

Credit: 1 unit

Prerequisite: Grade of B or higher in English I and II courses and/or teacher recommendation.

Students in Honors English III will analyze United States literature as it reflects social and historical significance. The emphasis in English III is **critical analysis** of texts

through reading, writing, speaking, listening, and using media.

ADVANCED PLACEMENT ENGLISH III

Credit: 2 units (YEAR LONG) 1 English/1 elective credit
Prerequisites: Grade of B or higher in previous English courses and teacher recommendation

For AP courses, students must maintain a “C” average or higher in the fall AP-elective course in order to remain in the Spring AP course. If removed from the AP course for failure to maintain at least a “C” average, the student will be placed in a standard level section of the course, if required for graduation.

Students enrolled in this course are required to take the AP English Language and Composition exam in May. Failure to do so will result in an F. There is a fee (\$89 for the school year 2012/13) for this test usually due at the beginning of the fall semester. The fee does change every year.

Recommended SAT Critical Reading score: 500 or higher or PSAT Critical Reading score: 50 or higher. There are supplemental readings and assignments during the summer prior to the beginning of class.

Fall Semester –Introduction to Language. In this honors level course students will be introduced to the basic principles of rhetoric as they are used in our day-to-day lives. Students will look at prose works, images, advertisements, and other common forms of communication to understand how people use conventions of language to make the most of their words.

Spring Semester –AP Language and Composition. This part of the course is designed to imitate the college freshman English composition course and focuses on the study of rhetoric-how we use language to communicate with the world. Students will study the skills of master writers and develop their own skills in writing and will be analyzing and using the conventions of language to understand complex texts and further their own writing aims.

ENGLISH IV

Credit: 1 unit
Prerequisite: English III

This course is a study of British literature designed to develop higher level reading, research, and cooperative problem solving skills, SAT preparation, analytical and expository writing skills, multimedia skills and public speaking.

HONORS ENGLISH IV

Credit: 1 unit
Prerequisite: Grade of 90 or higher in English III and teacher recommendation

Students in Honors English IV will integrate all the language arts skills gained throughout their education. Students will focus on British literature. The emphasis in English IV is **argumentation** by developing a position of advocacy through reading, writing, speaking, listening, and using media.

ADVANCED PLACEMENT ENGLISH IV

Credit: 2 units (YEAR LONG) 1 English/1 elective credit
Prerequisites: Grade of B or higher in previous English course and teacher recommendation

For AP courses, students must maintain a “C” average or higher in the fall AP-elective course in order to remain in the Spring AP course. If removed from the AP course for failure to maintain at least a “C” average, the student will be placed in a standard level section of the course, if required for graduation.

Students enrolled in this course are required to take the AP English Literature Exam. Failure to do so will result in an F. There is a fee (\$89 for the school year 2012/13) for this test usually due at the beginning of the fall semester. The fee does change every year.

Recommended SAT Critical Reading score: 500 or higher or PSAT Critical Reading score of 50 or higher. There are supplemental readings and assignments during the summer prior to the beginning of class.

Fall Semester –Introduction to Literary Analysis-

This honors level course introduces students to college level literary analysis and composition, concentrating on works or recognized literary merit. Through close reading, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students will consider a work’s structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone.

Spring Semester – AP English Literature and Composition-

The equivalent of college freshman English, this course focuses on a close study of a variety of plays, poems, novels, and essays from the sixteenth century to contemporary times. Throughout the semester, literary analysis and composition skills will be strongly emphasized. Students will learn to analyze purpose and tools used in the work of master writers.

MATHEMATICS

FOUNDATIONS OF MATH I

Credit: 1 elective unit
Prerequisite: None

This course is by teacher recommendation and helps prepare some students for Math. Students must pass this class to be enrolled in Math I.

MATH I

Credit: 1 math unit
Prerequisite: 8th grade Math or Foundations Math I

ALL students must have this course to graduate. Some students take this course in 8th grade. For all other students, this course should be taken in 9th grade. This course provides students the opportunity to study concepts of algebra, geometry, functions, number and operations, statistics and modeling throughout the course. These concepts include expressions in the real number system, creating and reasoning with equations and inequalities, interpreting and building simple functions, expressing geometric properties and interpreting categorical and quantitative data. Students enrolled in this course will be required to take and pass the state End of Course Test.

FOUNDATIONS OF MATH II

Credit: 1 elective unit

Prerequisite: Math I

This course is by teacher recommendation and helps prepare some students for Math II.

MATH II

Credit: 1 math unit

Prerequisite: Math I

ALL students must have this course to graduate. This course continues a progression of the standards established in Math I. In addition to these standards, Math II includes: polynomials, congruence and similarity of figures, trigonometry with triangles, modeling with geometry, probability, making inferences and justifying conclusion. The majority of students will take this course when in 10th grade.

HONORS MATH II

Credit: 1 math unit

Prerequisite: Grade of “B” or higher in 8th grade Math I and a Level 3 or 4 on Math I EOC

Majority of students in this course are 9th graders. This course is for students in the math honors program.

MATH III

Credit: 1 math unit

Prerequisite: Math II

ALL students must have this course to graduate. The majority of students will take this course in 11th grade. This course progresses from the standards learned in Math I and Math II. In addition to these standards, Math III extends to include algebraic concepts such as: the complex number system, inverse functions, trigonometric functions and the unit circle. Math III also includes the geometric concepts of conics and circles.

HONORS MATH III

Credit: 1 math unit

Prerequisite: Grade of “B” or higher in Honors Math II.

The majority of students in this course are 10th graders. This course is for students in the math honors program.

DISCRETE MATHEMATICS

Credit: 1 math unit

Prerequisite: Algebra II

Discrete Math topics include election theory, voting methods, fair division of discrete versus non discrete objects such as apportionment of political poses; graph theory (Euler circuits and paths), probability and statistics; sequences and series, alternative functional notation such as algebraic chess notation and game theory as related to choice theory. This course can be used as the 4th math credit required by North Carolina.

ADVANCED FUNCTIONS AND MODELING

Credit: 1 math unit

Prerequisite: Algebra II

This course reviews Algebra skills and continues with the study of concepts of Algebra II and mathematical concepts beyond Algebra II. This course can be used as the 4th math credit required by North Carolina.

PRE-CALCULUS

Credit: 1 math unit

Prerequisite: Grade of “B” or higher in Honors Algebra II or a grade of “A” in Algebra II or Advanced Functions and Modeling or Teacher Recommendation

The majority of students in this course are juniors. This course is the study of algebra and trigonometry concepts needed to be successful in Calculus. It is for honor math students. This course can be used as the 4th math credit required by North Carolina.

AP CALCULUS

Credit: 2 units (YEAR LONG)1 math/1 elective credit

Prerequisite: Grade of “B” or higher in Pre-Calculus For AP courses, students must maintain a “C” average or higher in the fall AP-elective course in order to remain in the Spring AP course.

Fall Semester – Calculus Research –This honors level course will cover the study of limits and their properties. It will also cover differentiation and applications of differentiation.

Spring Semester – AP Calculus-The topics covered are integration and applications of integration. Each student in the class must take the AP Calculus AB exam in May. **Failure to do so will result in an F. There is a fee (\$89 for the school year 2012/13) for this test usually due at the beginning of the fall semester. The fee does change every year.**

SCIENCE

EARTH/ENVIRONMENTAL SCIENCE

Credit: 1 unit

Prerequisite: None

This inquiry-based course emphasizes the scientific method, environmental awareness, natural resources, and conservation practices.

BIOLOGY I

Credit: 1 unit

Prerequisite: Earth/Environmental Science

This course is a study of the cellular, genetic, evolutionary, and ecological levels of the living world. Students enrolled in this course will be required to take and pass the state End of Course test in Biology.

HONORS BIOLOGY I

Credit: 1 unit

Prerequisite: Grade of 90 or above in Earth Environmental Science and Teacher Recommendation

Honors Biology is a college preparatory science course designed to teach students the concepts of biology, such as scientific processes, molecules and cells, cellular reproduction, genetics, evolution and ecology. In addition to these concepts, students will be expected to carry out several independent investigations. Students enrolled in this course will be required to take and pass the state End of Course test in Biology.

PHYSICAL SCIENCE

Credit: 1 unit

Prerequisite: Earth/Environmental Science and Biology I

An integration of topics from physics and chemistry and emphasis on energy and motion, electricity and magnetism waves, sound and light, the structure and properties of matter, and chemical reactions.

CHEMISTRY I

Credit: 1 unit

Prerequisites: Biology I and “C” or higher in Algebra II/Math III .

A study of the basic principles of chemistry including matter and energy, atomic structure, chemical reactions, the mathematics of chemistry, and laboratory practices.

HONORS CHEMISTRY II

Credit: 1 unit

Prerequisite: Grade of B or higher in Chemistry I and grade of B or higher in Algebra II/Math III and Teacher Recommendation

A study of stoichiometry, electron arrangements, molecular structure, gas laws, thermodynamics and kinetics. Students will make use of computer spreadsheet software and computer interfacing devices.

HONORS BIOLOGY II

Credit: 1 unit

Prerequisite: Grade of B or higher in Biology I and Chemistry I (or be taking Chemistry concurrently) And Teacher Recommendation

This course covers the concepts, knowledge, and skills introduced in Biology I in greater scope. Greater amounts of time and effort are expected on the part of the student.

HONORS PHYSICS

Credit: 1 unit

Prerequisites: Biology I, Chemistry I, and Algebra II/Math III and Teacher Recommendation

Honors Physics includes all of the topics in the N.C. Standard Course of Study and includes measurement, linear and circular motion, mechanics, forces and Newton’s laws, waves, light and optics, and electricity and magnetism. The honors course is enriched with mathematical problem solving, inquiry experiments, mathematical modeling, and computer data acquisition and analysis.

SOCIAL STUDIES

WORLD HISTORY

Credit: 1 unit

Prerequisite: None – Typically taken in the 9th grade.

This course examines the world through time, focusing on the historical development of phenomena, and the rise and fall of civilizations and their unique contributions to humanity.

HONORS WORLD HISTORY

Credit: 1 unit

Prerequisite: Level 4 on 8th grade Reading EOG; 90 % unweighted grade or above on 8th Grade English & Social Studies.

Honors World History provides the opportunity for advanced work, rigorous study, and systematic study of major ideas and concepts found in the study of global history. The course is challenging and requires students to take greater responsibility for their learning by participating in problem-seeking, problem-solving, scholarly and creative processes, critical analysis and application and reflective thinking.

AMERICAN HISTORY I

Credit: 1 unit

Prerequisite: World History

Students will begin with European exploration of the new world through Reconstruction. Students will examine the historical and intellectual origins of the United States from European exploration and colonial settlement to the Revolutionary and Constitutional eras. Students will learn about the important political and economic factors that contributed to the development of colonial America and the outbreak of the American Revolution as well as the consequences of the Revolution, including the writing and key ideas of the U.S. Constitution. This course will guide students as they study the establishment of political parties, America’s westward expansion, the growth of the sectional conflict, how that sectional conflict led to the Civil War, and the consequences of the Civil War, including Reconstruction.

AMERICAN HISTORY II

Credit: 1 unit

Prerequisite: Must have passed American History I (This class is typically for Juniors.)

American History II will guide students from the late nineteenth century time period through the early 21st century. Students will examine the political, economic, social and cultural development of the United States from the end of the Reconstruction era to present times. American History II will trace the change in the ethnic composition of American society; the movement toward equal rights for racial minorities and women; and the role of the United States as a major world power. An emphasis is placed on the expanding role of the federal

government and federal courts as well as the continuing tension between the individual and the state. The desired outcome of this course is for students to develop an understanding of the cause-and-effect relationship between past and present events, recognize patterns of interactions, and understand the impact of events on and in the United States in an interconnected world.

HONORS AMERICAN HISTORY I

Credit: 1 unit

Prerequisite: 90% unweighted grade or above in World History and teacher recommendation.

This course provides the opportunity for advanced work, rigorous academic study, and the practical application of the major ideas and concepts found in the study of United States history. The course is challenging and requires students to take greater responsibility for their learning by participating in problem-seeking and problem-solving, scholarly and creative processes, critical analysis and application, reflective thinking, and the expression and defense of ideas generated through the study of the content. Honors American History I is distinguished by a difference in the quality of the work expected, not merely an increase in quantity.

HONORS AMERICAN HISTORY II

Credit: 1 unit

Prerequisite: 90% unweighted grade or above in Honors American History I and Teacher Recommendation (This class is typically for Juniors.)

Honors American History II provides the opportunity for advanced work, rigorous academic study, and the practical application of the major ideas and concepts found in the study of American History. The course is challenging and requires students to take greater responsibility for their learning by participating in problem-seeking and problem-solving, scholarly and creative processes, critical analysis and application, reflective thinking, and the expression and defense of idea generated through the student of the content. Honors American History II is distinguished by a difference in the quality of work expected, not merely an increase in quantity.

UNITED STATES HISTORY

Credit: 1 unit

Prerequisite: World History

This course is required for all 2013/14 juniors. Students build on a historical perspective gained from the 8th grade study of North Carolina, World History and Civics/Economics. The course provides a survey of United States History from the colonial era to the present, with emphasis on the economic, social, and political developments of the twentieth century.

ADVANCED PLACEMENT UNITED STATES HISTORY

Credit: 2 units (YEAR LONG) 1 history/1 elective credit

Prerequisite: 90% unweighted grade or above in World History. History and English Teacher recommendation.

Students enrolled in this course are required to take the AP Exam in the Spring. Failure to do so will result in an F. There is a fee (\$89 for the school year 2012/13) for this test usually due at the beginning of the fall semester. The fee does change every year.

For AP courses, students must maintain a “C” average or higher in the fall AP-elective course in order to remain in the Spring AP course. If removed from the AP course for failure to maintain at least a “C” average, the student will be placed in a standard level section of the course, if required for graduation.

FALL SEMESTER – TURNING POINTS IN AMERICAN HISTORY - Turning Points is an **honors level** elective history course that will be paired with AP United States History in order to allow for a more in-depth study and relationship between events in American History. According to the North Carolina Essential Standards, this course would emphasize, in greater depth, 10-15 turning points in American History. These turning points would be “hinge” events in our nation’s history, caused by, and subsequently contributing to, major social, cultural, political, and /or economic events.

SPRING SEMESTER – AP US HISTORY - This is a college level U.S. History course that prepares students for the AP U.S. History Exam. The course provides a survey of United States History from the colonial period to the present, with emphasis on the economic, social, and political developments.

HONORS AMERICAN INDIAN STUDIES

Credit: 1 unit

Prerequisite: 90% unweighted grade or higher in American History II or AP US History and Teacher Recommendation. Senior only course.

American Indian Studies introduces students to the diverse history and culture of American Indians, beginning with life prior to Columbus. Important issues American Indians have faced from prehistoric societies to present-day contemporary society are discussed. Students immerse themselves in America’s oldest and continuous civilizations and cultures with a focus on American Indians of North Carolina.

FOREIGN LANGUAGE

SPANISH I

Credit: 1 unit

For the beginning student of Spanish, this course lays the foundation for the student to achieve proficiency in communicating with others about themselves, their lives and experiences. Students will also explore the cultures of the Spanish-speaking world.

SPANISH II

Credit: 1 unit

Prerequisite: Spanish I

This course expands upon the foundation of Spanish I, enabling the student to further develop and refine their skills in communicating with others about themselves on a variety of issues. Students will also explore the cultures of the Spanish-speaking world.

HONORS SPANISH III

Credit: 1 unit

Prerequisite: Grade of B or higher in Spanish II *and* Teacher Recommendation

This honors course explores the Spanish-speaking world in more depth, exposing the student to differing cultures and histories. Proficiency skills will be expanded to enable students to communicate on a variety of topics both in and out of the classroom.

HONORS SPANISH IV

Credit: 1 unit

Prerequisite: Grade of B or higher in Spanish III *and* Teacher Recommendation

This honors course expands the ability of students to compare, evaluate and express their opinions in a wide variety of settings through both oral and written expression. More advanced grammatical structures will be studied as well as Spanish literary traditions.

FRENCH I

Credit: 1 unit

The beginning French course will lay the foundation for proficiency in communicating with others about themselves, their lives, and experiences. French culture and traditions will be studied.

FRENCH II

Credit: 1 unit

Prerequisite: French I

Students will continue to develop their skills in communicating with others about themselves and their world. French cultural traditions will also be studied.

HONORS FRENCH III

Credit: 1 unit

Prerequisite: Grade of B or higher in French II and Teacher Recommendation

This honors course is for the third year students to focus on composition and conversation. The students learn to develop their ideas on paper and in speech.

HONORS FRENCH IV

Credit: 1 unit

Prerequisite Grade of B or higher in French III and Teacher Recommendation

This honors course is to focus on selected readings by French authors which include plays, novels, short stories and poems. Readings also include some composition and discussion in French.

HEALTH AND PHYSICAL EDUCATION

Only 1 P.E. Class allowed per semester

HEALTH/PE Girls/ Boys

Credit: 1 unit

Prerequisite: None

The purpose of health and physical education is to provide appropriate instruction for building a healthy body, mind, and character in each student. Health/PE is required for graduation. Dress out is required.

TEAM SPORTS

Credit: 1 unit

Prerequisite: Health/PE

Only 1 Team Sports is allowed per year.

Class designed for individuals enjoying the thrill of competition in team sports. Dress-out required. Team sports included will be volleyball, soccer, basketball, softball, flag football, floor hockey, and team handball.

LIFETIME FITNESS

Credit: 1 Unit

Prerequisite: Health/PE

The Lifetime Fitness is a personal fitness course with a focus on lifelong physical activity and fitness. The Pisgah Fitness Center used in this course will help create a new level of fitness and enjoyment for the physical education student. The fitness center is a state-of-the-art facility equipped with treadmills, cross-trainers, elliptical, recumbent and stationary bikes, rowers, and a ladder climber. The center also has a variety of aerobic and group fitness equipment such as bosu trainers, plyo boxes, yoga mats, stability balls, medicine balls, aerobic bars, pull-up bars, resistance cords, and circuit step trainers. In this class students will learn how to use technology to benefit fitness, overcome barriers to regular physical activity and how to plan and implement their own lifetime activity plan. Dress out is required.

HONORS FITNESS AND NUTRITION

Credit: 1 unit

Prerequisite: 2 units of a PE Class **or** Health & PE and one of the following: Biology, Allied Health, or Foods and Nutrition

Honors Fitness and Nutrition is a combination classroom study, weight training, cardiovascular fitness activities, and nutrition activities. Students will take part in activities that will enhance cardiovascular fitness, muscular strength and endurance, flexibility, and body composition. The benefits of exercise and its effect on the systems of the body will be introduced. The primary objectives of this course are to improve the health-related components of fitness and to enable the student to make intelligent decisions regarding fitness program design and application. Nutrition components will cover the foundations of nutrition science including nutrient digestion and metabolism, with special focus on areas relevant to high school students, such as dietary

supplements, analyzing creatine, negative effects of steroids, legal versus illegal supplements, nutrition for athletes and links between nutrition and disease

BEGINNING WEIGHTS Boys

Credit: 1 unit

Prerequisite: Health/PE

Interest in development and maintenance of strength and muscle for fitness. **Dress-out required.**

ADVANCED/ATHLETICS WEIGHTS BOYS

ADVANCED ATHLETIC WEIGHTS GIRLS

Credit: 1 unit

Prerequisite: Must have passed Health/PE

Development of muscular strength and endurance, flexibility and agility. Dress-out required. Participation in sports is recommended.

FINE ARTS **INSTRUMENTAL MUSIC** **DEPARTMENT**

All Band Courses are Year Long

BAND I/II/III/IV

Credit: 2 units

Prerequisite: Successful completion of middle school band and continuous participation in all previous high school semesters.

Students will continue their study of instrumental music through large and small ensemble study. This is a performance oriented course and some after school rehearsals and concerts are required for students wanting to participate. This ensemble is required for any student wishing to participate in any after school performing ensemble such as marching band, percussion ensemble, and jazz band. The fee for this class is \$10 to help cover the cost of music and extra staff.

The exception is colorguard. You may participate in the colorguard and not be involved in the concert band.

Students wishing to continue in the band program should register for both Fall and Spring semesters.

See Mr. Stewart if you have any questions.

HONORS BAND III

Credit: 2 units (**Year Long**)

Prerequisite: Completion of Band I and Band II and /or audition and teacher recommendation.

Focus Areas

-Advanced, more individualized work in instrumental music.

-Students will prepare a solo and audition for the All-District Honors Band.

-Students will do in-depth research, analysis and reflection of music.

-Additionally, students must create and/or maintain a portfolio that contains a combination of written, audio, or visual examples of this work.

-Students will participate in Marching Band.

There is a \$10 fee for this class which covers the cost of music and extra staff. Participation in Honors Band III prepares students for further instrumental studies in music. See Mr. Stewart for more information.

HONORS BAND IV

Credit: 2 units

Prerequisite: Completion of Honors Band III and/or audition and teacher recommendation.

Focus Areas

-Advanced, more individualized work in instrumental music.

-Students will prepare a solo and audition for the All-District Honors Band.

-Students will do in-depth research, analysis and reflection of music.

-Additionally, students must create and/or maintain a portfolio that contains a combination of written, audio, or visual examples of this work. Participation in Honors Band IV prepares students for further instrumental studies in music.

-Students will participate in Marching Band.

There is a \$10 fee for this class to help cover the cost of music and extra staff. See Mr. Stewart for more information.

PERCUSSION TECHNIQUES –

Credit: 1 Unit - Fall semester only

Prerequisite: Completion of Middle School Band and continuous participation in all previous high school semesters or completed application from Mr. Stewart.

This course is designed for students wanting to play percussion. In this class students will receive specialized instruction on the art of percussion playing. Students will explore music designed for the percussion ensemble and receive more specialized instruction in regards to concert repertoire. This ensemble is required for any percussionist wishing to participate in any performing ensemble within the instrumental department. The fee for this class is \$10 to help cover the cost of the music and extra staff.

MUSIC APPRECIATION

Credit: 1 unit

Prerequisite: None

This course will be an overview of music history focusing on all major musical periods, composers, performers and music notation beginning in the Middle Ages through music of the early 1900s. Several research projects will be required for this course as well as keeping a music notebook throughout the semester.

ONLY STUDENTS WHO ENJOY SINGING SHOULD CONSIDER TAKING THESE CLASSES. ALL CHORUS CLASSES ARE PERFORMANCE BASED AND FAILURE TO PARTICIPATE IN CONCERTS/CHORAL EVENTS MAY RESULT IN COURSE FAILURE.

MIXED CHORUS I /MIXED CHORUS II

Credit: 1 unit
Prerequisite: None

Students are NOT required to audition. Students in these courses WILL be required to do choreography in their performances. Students will purchase a tee shirt for shows. All Pisgah High School Chorus students are invited to participate in a competition trip in the spring. Chorus is limited to one class per semester.

ORION SHOW CHOIR

Credit: 1 unit
Prerequisite: By audition

Students in this class are required to audition. Students in this class will rehearse and perform music from many different genres in preparation for competition. Students will be required to participate in many performances in the school and community throughout the semester. **Students will be required to travel to competition in the spring.** Students will be required to rent or purchase concert attire. Chorus is limited to one class per semester

BACH TO BROADWAY SELECT CHORUS

Credit: 1 unit
Prerequisite: By audition only.

Students in this class are required to audition. Students will be required to participate in a Broadway musical, as well as many other performances in the school and community throughout the semester. Only students in this course are eligible to audition for NC Honors Chorus, Mars Hill Honors Choral Clinic and NC All-State Chorus. Students will be required to pay a concert attire rental fee and/or purchase concert attire. Chorus is limited to one class per semester

HONORS BACH TO BROADWAY III

Credit: 1 unit
Prerequisite: One credit in Bach to Broadway or Orion Show Choir.

In addition to course work in Bach to Broadway, students will be required to do independent study in a world music project, music theory and outside concert credits. Preparation for honors choir auditions required. Chorus is limited to one class per semester.

HONORS BACH TO BROADWAY IV

Credit: 1 unit
Prerequisite: Honors Bach to Broadway III

In addition to course work in Bach to Broadway, students will be required to do independent study in a

world music project, music theory and outside concert credits. Preparation for honors choir auditions required. Chorus is limited to one class per semester.

ART I (BEGINNING)

Credit: 1 unit
Prerequisite: Sketchbook and \$10 fee required

This course provides the fundamentals allowing of cultural enrichment. It includes studio experiences in the basics of drawing, painting, sculpture, printmaking, ceramics, and craft. This course includes a survey of Western Art from Prehistoric to Impressionism.

ART II (INTERMEDIATE)

Credit: 1 unit
Prerequisite: Art I with a passing grade of B or higher. Sketchbook and \$10 fee required

Students will experience a complex and extensive study of studio techniques and history from Impressionism to Contemporary art. Students are responsible for turning work in on time and creating "show" quality work and will write critiques on artists and the impact of their work. A research paper and painting of a small piece of furniture will be required.

HONORS ART III (PROFICIENT)

Credit: 1 unit
Prerequisite: Art II and Teacher Recommendation. Sketchbook and \$10 fee required

Teacher approval is needed to take this class. This course will be of interest to those students interested in pursuing a career in an art. Students are expected to work independently on projects which will be submitted into a portfolio. Work will be exhibited and therefore must be of a high quality both technically and conceptually.

HONORS ART IV (ADVANCED)

Credit: 1 unit
Prerequisite: Honors Art III and Teacher Recommendation. Sketchbook and \$10 fee required

Teacher approval is needed to take this class. It is similar to the previous class with the addition of community involvement. Students at this advanced level will also be expected to demonstrate leadership skills with expertise in the visual arts.

CAREER AND TECHNICAL EDUCATION AGRICULTURE

AGRISCIENCE APPLICATION

Credit: 1 unit
Prerequisite: None

This course focuses on integrating biological/physical sciences with technology as related to the environment,

natural resources, food production, science, and agribusiness. Topics of instruction include agricultural awareness and literacy, employability skills and introduction to all aspects of the total agricultural industry. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course are apprenticeship, cooperative education, mentorship, school-based enterprise, service learning, job shadowing, and supervised agricultural experience. FFA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

ANIMAL SCIENCE I

Credit: 1 unit

Prerequisite: None

This course is designed for students interested in taking pre-vet at college and those thinking of careers dealing with farm animals. Our farm near the new baseball complex allows us to keep sheep, goats, cattle and chickens for students to care for year round. Students will change clothes (and MUST wear boots) and be expected to ride our bus to the farm in any type of weather. Management practices such as deworming, vaccinating, trimming hooves, shearing, feeding, unloading hay, building fence, etc. are part of the hands-on approach to this class. The classroom instruction includes units on animal physiology, breeding, health care and nutrition of beef cattle, poultry and swine. FFA activities are also encouraged through this course. Open to grades 9 – 11.

ANIMAL SCIENCE II

Credit: 1 unit

Prerequisite: Animal Science I

Students will work in the barn with the animals as well as in the classroom expanding upon the skills developed in Animal Science I. Classroom topics include animal waste management, animal genetics, breeding, economics, etc. Leadership opportunities through the FFA are also available and encouraged.

ANIMAL SCIENCE ADVANCED STUDIES

Credit: 1 unit

Prerequisite: Three technical credits in an agriculture area; an A in the Level II class, an A on the Level II exam and teacher recommendation.

This course is for **seniors only** who meet all of the above requirements. It is a continuation of the agriculture area of the student who has concentrated in during their previous three semesters of agriculture. Only one Advanced Studies course allowed per high school career. A second allowed, only with administrative approval and after the registration process is closed.

HORTICULTURE I (GREENHOUSE/PLANT)

Credit: 1 unit

Prerequisite: None

In this course students learn the basics of growing all types of plants. Class topics include plant growth, development, propagation, nutrition, soil selection, and plant identification. Students learn about pest management, as well as customer service skills. All agriculture classes provide the opportunity for students to join the FFA, which provides several leadership activities and contest. FFA membership is highly recommended to get the most out of Agriculture classes. Please be aware that all students will be exposed to plants, pollen, and soil. Participation is a required part of the course, and students with allergies should consider this before taking the class. Open to grades 9 – 11.

HORTICULTURE II

Credit: 1 Unit

Prerequisite: Horticulture I

This course expands skills from Horticulture I. Students will study topics such as greenhouse management, bedding production, water systems, light effects, and floral design. All agriculture classes provide the opportunity for students to join the FFA, which provides several leadership activities and contests. FFA membership is highly recommended to get the most out of Agriculture classes.

HORTICULTURE ADVANCED STUDIES

Credit: 1 unit

Prerequisite: Three technical credits in an agriculture area; an A in the Level II class, an A on the Level II exam and teacher recommendation.

This is course for **seniors only** who meet all of the above requirements. It is a continuation of the agriculture area of the student who has concentrated in during their previous three semesters of agriculture. Only one Advanced Studies course allowed per high school career. A second allowed, only with administrative approval and after the registration process is closed.

BUSINESS

PRINCIPLES OF BUSINESS AND FINANCE

Credit: 1 unit

Prerequisite: None

This course introduces students to topics related to business, finance, management, and marketing to cover business in the global economy, functions of business organization and management, marketing basics, and significance of business financial and risk management. English language arts, social studies, and mathematics are reinforced. Work-based learning strategies appropriate for this course include mentorship, school-based enterprise, service learning, and job shadowing. Cooperative education is not available for this course.

Apprenticeship is not available for this course. DECA (an association for Marketing Education students) and Future Business Leaders of America (FBLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Possible field trips include Federal Reserve Bank in Atlanta GA, and local banks and businesses.

MICROSOFT WORD, POWERPOINT, PUBLISHER (MSITA)

Credit: 1 unit

Prerequisite: None

In the first part of Microsoft Academy (MSITA), students will learn to use the newest version of Microsoft Word interface, commands, and features to create, enhance, customize, share and create complex documents, and publish them. In the second part, students will learn to use the newest version of Microsoft PowerPoint, interface, commands, and features to create, enhance, customize, and deliver presentations. In the last part, students will learn to use the basic features of the newest version of Publisher to create, customize, and publish a publication. Work-based learning strategies appropriate for this course include cooperative education, internship, service learning, and job shadowing. This course can help prepare students for the Microsoft Office Specialist (MOS) in Word and/or PowerPoint, <http://www.microsoft.com/learning/en/us/certification/mos.aspx>

MICROSOFT EXCEL AND ACCESS

Credit: 1 unit

Prerequisite: None

Students benefit from world-class Microsoft curriculum and cutting-edge software tools to tackle real-world challenges in the classroom environment. The first part of the class is designed to help you use the newest version of Microsoft Excel interface, commands, and features to present, analyze, and manipulate various types of data. Students will learn to manage workbooks as well as how to manage, manipulate and format data. In the second part of the class, students will learn how to create and work with a database and its objects by using the new and improved features in newest version of Microsoft Access. Students will learn how to create, modify, and locate information as well as how to create programmable elements and share and distribute database information. Mathematics is reinforced. Work-based learning strategies appropriate for this course include cooperative education, internship, service learning, and job shadowing. Future Business Leaders of America (FBLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

ENTREPRENEURSHIP I

Credit: 1 unit

Prerequisite: Marketing **OR** Principles of Business **OR** Personal Finance

This course introduces students to the rewards and risks of owning or operating a business enterprise. Emphasis is placed on the mastery of skills needed to plan, organize, manage, and finance a small business. Skills in communication, technical writing, mathematics, research, and problem-solving are reinforced as each student prepares his/her own business plan. Work-based learning strategies appropriate for this course include cooperative education and paid/unpaid internships. Simulations, projects, teamwork, and FBLA leadership activities, meetings, conferences, and competitions provide opportunities for application of instructional competencies.

BUSINESS ADVANCED STUDIES

Credit: 1 unit

Prerequisite: Three technical credits in Business and Information Technology Education in grades 9-12.

This culminating course is for **seniors** who are focused in accounting and finance, business administration, business management and ownership, information technology, or office systems technology. The three parts of the course include writing a research paper, producing a product, and delivering a presentation. Students demonstrate their abilities to use content and apply knowledge to professional business situations in a selected career. In addition, they will also demonstrate their ability to write, speak, and apply knowledge, problem solve, and use life skills such as time management and organization. Students work under the guidance of a teacher-advisor in collaboration with community members, business representatives, and other school-based personnel. Only one Advanced Studies course allowed per high school career. A second allowed, only with administrative approval and after the registration process is closed.

MARKETING

MARKETING

Credit: 1 unit

Prerequisite: None

In this introductory course, students develop an understanding of the processes involved from the creation to the consumption of products/services, including the application of marketing functions and the impact on business operations. Students will explore the areas of distribution,, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Mathematics and social studies are reinforced. Work-based learning opportunities include Marketing Cooperative Education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Marketing simulations, projects, teamwork, field trips and DECA (an association for Marketing Education students) competitive events, community service, and

leadership activities provide many other opportunities to apply essential standards and workplace readiness skills through authentic experiences.

The Marketing course can help prepare students for credentials: Assessment of Skills and Knowledge (A*S*K) <http://www.askinstitute.org/>
Professional Certification <http://www.nrffoundation.com>

SPORTS AND ENTERTAINMENT MARKETING I

Credit 1

Prerequisite: Marketing strongly recommended

In this course, students are introduced to the sports, entertainment, and event marketing industry. Students will acquire knowledge and skills for planning sports, entertainment, and event marketing. Topics include branding, licensing, and naming rights; business foundations; concessions and on-site merchandising; economic foundations; human relations; and safety and security. Mathematics and social studies are reinforced. Work-based learning opportunities include Marketing Cooperative Education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. Marketing simulations, projects, teamwork, field trips, DECA (an association for Marketing Education students) competitive events, community service, and leadership activities provide many other opportunities to apply essential standards and workplace readiness skills through authentic experiences.

SPORTS AND ENTERTAINMENT MARKETING II

Credit 1

Prerequisite: Sports and Entertainment Marketing I

This course builds on foundations learned in Marketing and Sports and Entertainment Marketing I and is designed for students interested in an advanced study of the industry and pursuing related careers. Students will acquire a deeper understanding of selling, promotion, and market planning of sports, entertainment, and event marketing; applying their knowledge of sports and entertainment event management to activities at Pisgah and within the community. English/language arts, mathematics and social studies are reinforced. Work-based learning opportunities include Marketing Cooperative Education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. Marketing simulations, projects, teamwork, field trips, DECA (an association for Marketing Education students) competitive events, community service, and leadership activities provide many other opportunities to apply essential standards and workplace readiness skills through authentic experiences.

MARKETING CO-OP

Credit: 1 unit

Prerequisite: Enrollment in Marketing Education Course

Cooperative on-the-job training is available to students enrolled in a Marketing Education course. Students must

secure teacher approved employment **prior** to the beginning of the semester and be able to provide their own transportation. Students can receive 1 unit of credit for the cooperative education component, if specific criteria are met.

For more information visit:

teacher.haywood.k12.nc.us/jcragg

STUDENT ORGANIZATION: DECA

MARKETING ADVANCED STUDIES

Credit: 1 unit

Prerequisite: Three technical credits in Business, Marketing, or Information Technology Education

This is a culminating course for **seniors** who have earned three technical credits in a career cluster, one of which is a completer course. The Advanced Studies course must enhance the content of the completer course and prepare students for success in transitioning to postsecondary education and future marketing careers. Students work under the guidance of a teacher in collaboration with community members, business representatives, and other school-based personnel. The four parts of the course include writing a research paper, producing a product, developing a portfolio, and delivering a presentation. Students demonstrate their abilities to use 21st century skills. Only **one** Advanced Studies course allowed per high school career. A second allowed, only with administrative approval and after the registration process is closed.

FAMILY AND CONSUMER SCIENCES

TEEN LIVING

Credit: 1 unit

Prerequisite: None

This course examines life management skills in the areas of personal and family living; wellness, nutrition and foods; resource management; living environments; caring for children; fashion and clothing and job readiness. Emphasis is placed on students applying these skills during their teen years. Through simulated experiences, they learn to fulfill their responsibilities associated with the work of the family and community. Skills in mathematics, communication, science, technology, and personal and interpersonal relationships are reinforced in this course.

APPAREL DEVELOPMENT I

Credit: 1 unit

Prerequisite: None

This course examines clothing design in the areas of preparation for clothing construction, basic clothing construction techniques, consumer decisions, textiles, historical perspectives and design and career opportunities. Emphasis is placed on students applying these construction and design skills to apparel and home fashion. Skills in art, communication, mathematics, science and technology are reinforced in this course.

APPAREL DEVELOPMENT II

Credit: 1 unit

Prerequisite: Apparel Development I

This course focuses on advanced clothing development. The fabrics and fibers are used to develop and produce a clothing product. A real or simulated business apparel enterprise and FCCLA activities allow students to apply instructional strategies and workplace readiness skills to an authentic experience and to develop a portfolio. Skills in science, mathematics, management, communication, and teamwork are reinforced in this course. Work-based learning strategies appropriate for the course include school-based enterprises, field trips, job shadowing, and service learning.

FOODS AND NUTRITION

Credit: 1 unit

Prerequisite: None

Students learn to make informed choices about daily food. The content includes nutrition as it relates to health and appearance and food pattern and customs. Based on individual life styles including sports activities, student will identify personal nutrient needs. Students learn how to purchase and store food, select, use, and care for kitchen appliances; and prepare and serve foods creatively.

Foods II

Credit: 1 unit

Prerequisite: Foods I

Food Safety and Sanitation receive special emphasis on ServSafe credentials from the National Restaurant Association. Students develop skills in yeast breads, cakes and frostings and knife skills. A real or simulated in-school food business component allows students to apply instructional strategies and workplace readiness skills to an authentic experience in restaurant management

ADVANCED STUDIES - FOODS

ADVANCED STUDIES – CLOTHING

Credit: 1 unit

Prerequisite: 3 credits in Family & Consumer Sciences courses, a Level II Course within FACS, and an A in the class as well as a proficient VoCATS score and teacher recommendation.

This is a culminating course for **seniors** that are focused on careers in the areas of food and nutrition, food science, dietetics, early childhood education, culinary arts and hospitality, apparel design, interior design, and community and family services. Students demonstrate their abilities to use content and apply knowledge to authentic situations in a selected career. In addition, they will demonstrate their abilities to write, speak, solve problems, and use life skills such as time management and organization. Skill development and FCCLA

leadership activities provide opportunity to apply instructional competencies and workplace readiness skills. Students work under guidance of teacher-facilitator on individual projects and a specialized career focus.

Only one Advanced Studies course allowed per high school career. A second allowed, only with administrative approval and after the registration process is closed.

HEALTH SCIENCE EDUCATION

HEALTH TEAM RELATIONS

Credit: 1 unit

Prerequisite: None

This course is designed to assist potential health care workers in their role and function as health team members. Topics include terminology, the history of health care, health care agencies, ethics, legal responsibilities, careers, holistic health, human needs, change, cultural awareness, communication, medical math, leadership and career decision-making. English language arts and social studies are reinforced in this course. Health Occupations Students of America (HOSA) competitive events, community service, leadership activities provide the opportunity to apply essential standards and workplace readiness skills to authentic experiences.

HEALTH SCIENCE I

Credit: 1 unit

Prerequisite: None

This course focuses on human anatomy, physiology and human body diseases and disorders, and biomedical therapies. Students will learn about health care careers within the context of human body systems. Projects, teamwork, and demonstrations serve as instructional strategies that reinforce the curriculum content. English language arts and science are reinforced in this course. Health Occupations Students of America (HOSA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Biology is recommended as preparation for this course.

HEALTH SCIENCE II

Credit: 1 unit

Prerequisite: Health Sciences I with >75 average

This course is designed to help students expand their understanding of financing and trends of health care agencies, fundamentals of wellness, legal and ethical responsibilities, concepts of teamwork, and effective communication. Students will learn health care skills, including current CPR and first aid training. English language arts and science are reinforced in this course. Health Occupations Students of America (HOSA) competitive events, community service, and leadership activities provide the opportunity to apply essential

standards and workplace readiness skills through authentic experiences.

Nursing Fundamentals (12th grade)

Credit: 2 units

Prerequisite: Health Science II with > 75 & Application

This course is designed for students interested in medical careers where personal care and basic nursing skills are used. This course is an enhanced adaptation of the North Carolina Division of Health Service Regulation (DHSR) Nurse Aide I (NA) curriculum and helps prepare students for the National Nurse Aide Assessment (NNAAP). Students who pass the NNAAP become listed on the NC NAI Registry. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course include a required clinical internship in a long-term care facility. Healthcare agencies may require testing for tuberculosis and/or other diseases, immunizations must be up to date, and a criminal record check for felonies related to drugs. Students must be able to get to and from clinical site. HOSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

TRADE AND INDUSTRIAL EDUCATION

INTRODUCTION TO TRADE AND INDUSTRIAL EDUCATION

Credit: 1 unit

Prerequisite: None

This course introduces students to three career majors available in T & I Education. Students will rotate between machine shop (metals), carpentry, and welding. Topics include safety and beginning equipment skills, along with some hands-on work experiences. Students will remain in each area for six weeks.

CABINETMAKING I

Credit: 1 unit (semester)

Prerequisite: None

This course introduces career information, employment opportunities, and skills required for work in the furniture and cabinetmaking industry. Topics include tools and equipment, theory and practice, types of woods, finishes, styles, bonds, and fasteners. English language arts and mathematics are reinforced. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Geometry is recommended as preparation for this course.

CABINETMAKING II

Credit: 1 unit (1 semester)

Prerequisite: Cabinetmaking I/Carpentry I

This course teaches the development of knowledge and skills in the furniture and cabinetmaking industry. Emphasis is placed on construction principles applied to mass production and the construction and installation of cabinet drawers and doors. English language arts and mathematics are reinforced. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship and job shadowing. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Geometry is recommended as preparation for this course.

*Due to potentially hazardous processes and equipment a maximum enrollment of 20 is recommended.

CABINETMAKING ADVANCED STUDIES

Credit: 1 Unit

Prerequisite: Three technical credits in Trade and Industrial Education including Cabinetmaking II; A in class and an A on the final exam; and teacher recommendation. For Seniors Only

This course must augment the content of the completer course and prepare students for success in transitioning to postsecondary education and future careers. Students work under the guidance of a teacher with expertise in the content of the completer course in collaboration with community members, business representatives, and other school-based personnel. The four parts of the course include writing a research paper, producing a product, developing a portfolio, and delivering a presentation. Students demonstrate their abilities to use 21st century skills.

FOUNDATIONS OF INFORMATION TECHNOLOGY

Credit: 1 unit

Prerequisite: None

This introductory course provides students with the foundation to pursue further study in information technology. Emphasis is on network systems, information support and services, programming and software development, and interactive media. Mathematics is reinforced. Work-based learning strategies appropriate for this course include entrepreneurship, mentorship, service learning, and job shadowing. Apprenticeship and cooperative education are not available for this course.

COMPUTER ENGINEERING TECHNOLOGY I

Credit: 1 unit

This course includes the skills required for installing and maintaining hardware. It includes objectives in the following five domains, a) PC Hardware, b) Networking c) Laptops, d) Printers, and e) Operational Procedures. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing. This course helps prepare students for the CompTIA A+ credential.

SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

COMPUTER ENGINEERING TECHNOLOGY II

Credit: 1 unit

Prerequisite: CET I

This course builds on what was learned in CET I. The study is more in-depth and incorporates the latest trends in the computer industry. Students will have greater opportunity to get hands-on experience repairing computers. Students who complete this course of study will have knowledge to pass the industry standard CompTIA A+.

COMPUTER ENGINEERING ADVANCED STUDIES

Credit: 1 unit

Prerequisite: "A" in class and proficient level on VOCATS score, and/or teacher recommendation.

Three technical credits in Trade and Industrial Education including CET II

This course allows **seniors** to pursue a topic of interest using knowledge and skills gained from previous workforce development and academic courses. Only one Advanced Studies course allowed per high school career. A second allowed, only with administrative approval and after the registration process is closed.

METALS MANUFACTURING I

Credit: 1 unit

Prerequisite: None

Unit instruction in technical mathematics, print reading, and the use of basic hand tools and precision measuring instruments. Students will become familiar with basic machine processes of the lathe, milling machine, and saws.

METALS MANUFACTURING II

Credit: 2 units **YEAR LONG**

Prerequisite: Metals Manufacturing I

Advanced instruction is given with emphasis on the operations of the lathe, milling machine, and saws. Students will also be introduced to CNC (computer numerical control) machining and design.

METALS MANUFACTURING III

Credit: 2 units **YEAR LONG**

Prerequisite: Completion of Metals I and Metals II

Students will complete a HAAS CNC Operator Certification. This will show that the student is proficient in loading a CNC program into a HAAS CNC mill and lathe, as well as the set up and operation of the machine. Students will also be using Mastercam software to generate CNC programs for the parts they are machining.

TRADE AND INDUSTRIAL METALS ADVANCED STUDIES

Credit: 1 unit

Prerequisite: Three technical credits in Trade and Industrial Education including Metals II; A in class and an A on the final exam; and teacher recommendation.

For Seniors Only

Teachers will provide classroom instruction, opportunities for hands-on work and other projects at teacher's discretion.

Only one Advanced Studies course allowed per high school career. A second allowed, only with administrative approval and after the registration process is closed.

DRAFTING I

Credit: 1 unit

Prerequisite: None

This course introduces students to the world of drafting (drawing blueprints) which is an integral part of the fields of engineering, architecture, and manufacturing. The course units involve sketching, scale reading, drawing with tools, geometry, multiview drawing, and 2D computer aided drawing, and 3D computer aided drawing.

DRAFTING-ARCHITECTURAL II

Credit: 1 unit (Fall Semester)

Prerequisite: Drafting I

This course introduces students to the field of residential architecture. The course units involve residential floor plans and symbols, foundation systems, roof construction, exterior elevations, and wall sections and details. Students will draw in 2D using AutoCAD and in 3D using Revit. Students will also design their own house and create a set of architectural plans.

DRAFTING ENGINEERING II

Credit: 1 unit (Spring Semester)

Prerequisite: Drafting I

This course introduces students to the field of mechanical engineering. The course units involve 3D modeling, manufacturing processes, dimensioning and tolerancing, sectional views, auxiliary views, and pattern development. Students will draw in 2D using AutoCAD and in 3D using Inventor. Students will also complete several hands on projects.

DRAFTING-ADVANCED STUDIES

Credit: 1 unit

Prerequisite: Three credits in Trade and Industrial Education including Drafting II Architectural and Drafting II Engineering; an A in these classes and an A on the final exams: and teacher recommendation.

This course is for the proficient **senior** drafting student. The student will assist the teacher by being interactive with level 1 students and doing project-based drawings as needed. Only one Advanced Studies course allowed

per high school career. A second allowed, only with administrative approval and after the registration process is closed.

WELDING I

Credit: 1 unit (1 semester)

Prerequisite: None

Specific instruction given in metal fabrication and welding, thermal cutting, shielding arc welding, oxygen acetylene welding, arc welding, and welding inspections and testing.

WELDING II

Credit: 1 unit (1 semester)

Prerequisite: Welding I

Advanced course in industrial and construction welding that serves as an introduction to MIG and TIG welding. Instructional emphasis focuses on the development of the skills introduced in Welding I.

WELDING III

Credit: 1 unit (1 semester)

Prerequisite: Welding II

Advanced course in industrial and construction welding that serves as an introduction to MIG and TIG welding. Instructional emphasis focuses on the development of the skills introduced in Welding II.

WELDING ADVANCED STUDIES

Credit: 1 unit (1 semester)

Prerequisite: Welding III and Teacher approval

This course is for the proficient senior welding student and should be taken after Welding III. It will be a continuation of the studies and shop work of Welding III. Only one Advanced Studies course allowed per high school career. A second allowed, only with administrative approval and after the registration process is closed.

All students taking any Welding Course must have Personal Equipment (Safety). All leather gloves , all leather boots, 100% cotton long sleeve shirt, pants and hat.

PULP & PAPER TECHNOLOGY I

Credit: 1 unit

Prerequisite: None

This course consists of a series of two-class equivalents-PPT-110, which is Introduction to Pulp and Paper Technology and PPT 115, which are Wood Science and Wood Yard Operations. These courses are equivalent to NCSU's Paper Science and Engineering courses. Topics include an overview of power generation, recovery, wood yard processes, wood science, pulping, paper machine, finishing, testing, safety, environmental issues, troubleshooting, and other related topics. Appropriate field trips to observe mill operations, converting operations, and wood-processing operations will be taken. Upon completion the student should be

able to describe the papermaking and wood yard process equipment, related environmental and safety issues and identify the properties of wood and wood fibers.

PULP & PAPER TECHNOLOGY II

Credit: 1 unit

Prerequisites: Intro to Pulp and Paper Technology I

This course introduces students to the stock preparation process from the high-density storage tanks to the headbox approach piping. The students will be able to see how the fibers and water are synergized to create the mix that develops into the paper. Labs will be conducted that relate to the entire stock prep process. Upon completion the student should be able to describe the stock prep process, stock prep equipment, and safety/environmental concerns. This class is packed with hand-on activities.

PULP & PAPER TECHNOLOGY III

Credit: 1 unit

Prerequisite: Pulp and Paper Technology II

Successful Completion of this course along with PPT I and II will earn the student the equivalent of a Certificate in Papermaking and he/she will not have to take the TABE test for Evergreen Packaging – Canton division. This course covers the wet end of the pulp/paper machines. The student will be able to see how the watery mix created in stock preparation (PPT II) will be transformed into a paper web. Upon completion the student should be able to describe the wet end process and equipment, safety and environmental concerns, headbox dynamics, and forming and pressing fundamentals. Knowledge in this area prepares the student not only for work in the pulp/paper machine area but also in marketing/technical support, chemical/fabric and equipment suppliers to the paper industry, converted products and industry and other related fields. This is a hands-on course with a lot of trips to the mill.

PULP AND PAPER TECHNOLOGY IV

Credit: 1 unit

Prerequisite: Pulp and Paper Technology III

Students in this class have successfully completed their Certificate in Papermaking and have demonstrated the ability to train other students in either PPT II or III techniques. They will provide assistance to the instructor is setting up labs and procedures for evaluation and will provide selective lectures for the other students. Upon completion the student will be more employment-ready and will have demonstrated the ability to work in teams and independently as a technician. The students will complete several research papers and an interview project.

ADVANCED STUDIES PULP AND PAPER TECHNOLOGY

Credit: 1 unit

Prerequisite: Three technical credits in Trade and Industrial Education including Pulp and Paper Technology IV and teacher recommendation.

This course is for the proficient **senior** Pulp and Paper student. The student will assist the teacher by being interactive with all levels of students (I – III) . Only one Advanced Studies course allowed per high school career. A second allowed, only with administrative approval and after the registration process is closed.

NJROTC PROGRAM

NJROTC I/II/III

Credit: 1 unit

This course is for freshmen, sophomores, and juniors. Pisgah High School NJROTC earned the top rating of “Distinguished Unit with Academic Honors.” **This class prepares students for life after high school and is not a recruiting program. Our mission is to motivate young people to become successful!** The Navy rates this program number two of seventy programs in North and South Carolina. Students may try for leadership positions and extracurricular activities or just participate in the class as a normal elective. Classes are challenging, active, and fun, consist of equal numbers of males and females. Three days per week students leave the classroom to participate in community service, drill, and team sport events appropriate to the average skill levels of the young women and men of each class. Optional after-school teams include rifle team, Color Guard, physical fitness team, and academic team. Field trip opportunities include camping, Washington D.C., VA Beach, and Pensacola, FL. These activities are designed to build camaraderie and a sense of belonging among cadets and to provide enjoyable and challenging opportunities to build their social and leadership skills. Students are given a chance to earn much of their way through the optional, annual fund-raiser. **No military service obligation is incurred as a result of NJROTC participation.** However, those cadets interested in the military may qualify for advanced enlistment ranks, the highly competitive NROTC (\$180,000) scholarship, or a Service Academy Nomination. Uniforms are worn once weekly and are issued at no cost to the student if properly maintained.

NJROTC IV

Credit: 1 unit

Prerequisite: This course is typically for seniors only.

Students aspire to bettering their leadership skills. Students are able to mentor underclassmen and assist NJROTC instructors in the classroom. Classes are challenging, active, and fun and consist of equal numbers of males and females. Three days per week students leave the classroom to participate in community service, drill and team sports events appropriate to the average

skill levels of the young women and men of each class. Optional after-school teams include rifle team, Color Guard, physical fitness team, and academic team. Field trip opportunities include camping, Washington D.C., VA Beach, and Pensacola FL. These activities are designed to build camaraderie and a sense of belonging among cadets and to provide enjoyable and challenging opportunities to build their social and leadership skills. Students are given a chance to earn much of their way through the optional, annual fund-raiser. No military service obligation is incurred as a result of NJROTC participation. However, those cadets interested in the military may qualify for advanced enlistment ranks, the highly competitive NROTC (\$180,000) scholarship, or a Service Academy Nomination. Uniforms are worn once weekly and are issued at no cost to the student if properly maintained

NJROTC III (HONORS)

Credit: 1 unit

Prerequisite: NJROTC I or II and instructor recommendation

The Naval Science III curriculum consists of instruction and practical application in Leadership, International law, National security, shipboard organization and Watch standing. Seamanship (to include both deck equipment and small boat), Marine Navigation, and Rules for the road and Naval Weapons and Aircraft, Drill and physical fitness. The curriculum includes the study of business and industrial leadership and challenges students to analyze their endeavors. Case studies of battles and business will also be included. Students are required to complete numerous independent readings and at least two books and two papers are required during the term. Students may receive honors credit in this course one time only.

NJROTC IV (HONORS)

Credit: 1 unit

Prerequisite: Instructor recommendation

This is an honors level course in applied leadership including advanced writing assignments, outside readings, and project leadership. The course is specifically designed to assist senior cadets who are assigned leadership positions to better understand leadership and management through application in the context of the NJROTC unit. In their positions of leadership these students learn to analyze and determine the factors contributing to the varying degrees of success in unit projects. A variety of leadership and communications readings and historical articles are introduced to study leadership styles, personalities and institutions. Cadets conduct outside readings; prepare papers, and present oral presentations to the class. Two major projects per term fulfill the “products requirement” for the course. Students are assigned participation and leadership roles for a variety of community services, school service, and unit service projects conducted by the NJROTC unit and selected jointly by the instructor and cadet leadership. This course specifically helps hone the

training of the unit leaders and provides a decision-making forum for the corps of cadets. Students may receive honors credit in this course one time only.

DRILL AND CEREMONY II

(FALL SEMESTER) (SPRING SEMESTER)

Credit: 2 units

Prerequisite: Recommendation of instructor.

Students will register for one period both semesters. Drill team consists of highly motivated group of young men and women interested in and capable of performing precision drill and Color Guard ceremonies in show events throughout the community, state, and nation. Classes are challenging, active, and fun and consist of equal numbers of males and females. Students learn to demonstrate leadership, confidence, and proficiency in individual, squad, and platoon close-order drill. This year-round course also has classroom and physical training phases that earn elective credit for Naval Science II, III, and IV as described above.

OTHER ELECTIVES

LIBRARY/MEDIA STUDENT ASSISTANT

Credit: 1 unit

Prerequisite: Students must apply. Applications are available in media center. Recommendation based on application and Placement Committee. **Seniors Only** Student Media Assistants will work with other students and staff in a business environment. They will develop research, clerical, Media/Technology skills which will enable them to be successful 21st Century Learners. Student Media Assistants will be expected to master the competencies outlined in the curriculum standards approved by the North Carolina State Board of Education for the Student Library Media Assistant's Program. **Students may only take once throughout high school.**

ANNUAL/PUBLICATION

Credit: 2 elective units (if taken both semesters)

Prerequisite: Application, recommendation of Annual Staff Advisor

Students in this class publish the school yearbook and create multimedia presentations that document the events of the school year. Students must sell advertisements, interview students and teachers, design pages, take pictures, and write articles. Those students interested in journalism, photography, and art are encouraged to take this class.

CURRICULUM ASSISTANCE

Credit: 1 unit

Prerequisite: Enrolled in Exceptional Children's Program.

CA is a course designed to assist exceptional students in developing learning strategies to improve their overall success in school. Skills include organization, note-taking, memory, test-taking strategies and support in

understanding and completing all classroom assignments.

HAYWOOD COMMUNITY COLLEGE COURSES

Note: All Criminal Justice Classes will be on Haywood Community College's Academic calendar which is different from Haywood County School's.

CRIMINAL JUSTICE I

11th & 12 Grades -- ONLINE

Credit: 1 unit

Prerequisite: 3.0 GPA or higher and demonstration of college readiness on an assessment or placement test.

These courses provide an introduction to the components and processes of the criminal justice system. Topics include police, courts, corrections and theories, history, and principles of crime causation. Upon completion students should be able to define and describe these major components, their functions, and jurisdictions.

CRIMINAL JUSTICE II

11th & 12 Graders –ONLINE

(Criminology/Law Enforcement Operations)

Credit: 1 unit

Prerequisite: Criminal Justice I

These courses introduce the juvenile justice system and fundamental elements of criminal law. Topics include the characteristics of policing, courts, and corrections related to the juvenile justice system and contemporary applications of criminal law. Upon completion, students should be able to explain theories of crime, sources of law, interpret and apply law in appropriate situations.

CRIMINAL JUSTICE III

12TH GRADE-Taught at HCC or online - Student must provide their own transportation – PHS 4th block

Credit: 1 unit

These courses introduce the fundamentals of law enforcement and corrections operations. Upon completion, students should be able to explain the practices, issues, components, process, and functions related to law enforcement operations and the correctional system.

CRIMINAL JUSTICE IV

12TH GRADE - Taught at HCC or online – Student must provide their own transportation – PHS 4th block

Credit: 1 unit

In these courses students are introduced to the ethical standards of the criminal justice system and the impact of the United States Constitution on the criminal justice system. Upon completion students should be able to discuss the structure of the constitution and the ethical

standards as they are applied to the criminal justice process.

AUTOMOTIVE TECHNOLOGY I (HCC) 11th Graders

Credit: 1 unit/1 semester

Prerequisite: 3.0 GPA or higher and demonstration of college readiness on an assessment or placement test.

This course will cover automotive service techniques used commonly in the automotive repair fields. It will also give instruction related to testing and repair of the automotive electrical systems. Specific instruction will be given in service procedures and the use of electrical test equipment to diagnose and repair the automotive electrical systems. Topics include testing and repair of batteries, charging systems, starting systems, lighting systems, and accessory systems testing and repair.

AUTOMOTIVE TECHNOLOGY II (HCC) 11 or 12 Graders

Credit: 1 unit/1 semester

Prerequisite: Automotive Technology I

Emphasis on the development of skills introduced in Automotive Technology I. Specific instruction will be given in brake system servicing and engine performance diagnosis and repair. Instruction includes troubleshooting and the proper use of test equipment. Upon completion, students should be able to diagnose, test, and repair typical brake systems and engine control systems.

AUTOMOTIVE TECHNOLOGY III YEAR LONG – 12 graders – Taught at HCC – (1:40 – 2:55) Student must provide their own transportation

Credit: 2 units/2 semesters

Prerequisite: Automotive Technology II

Emphasis is placed on the development of skills introduced in Auto Technology II. Instruction includes troubleshooting and the proper use of test equipment needed to diagnose and repair engine control systems and heating, ventilation, and air conditioning. This course will also instruct students in proper techniques and procedures for welding on the automobile.

AUTO REPAIR I 11TH GRADE – Taught at HCC (1:40 – 3:20) Student must provide their own transportation

Credit: 1 unit

Prerequisite: Automotive Tech I and II

This course introduces the proper procedures for using automotive refinishing equipment and materials in surface preparation and application. This course also provides an in-depth study of structural damage analysis and repairs to vehicles that have received moderate to heavy structural damage.

AUTO REPAIR II

11th or 12 GRADE – Taught at HCC – Student must provide their own transportation.

Credit: 1 unit

Prerequisite: Auto Repair I

This course covers advanced painting techniques and technologies with an emphasis on identifying problems encountered by the refinishing technician. Topics include materials application, color matching, correction of refinishing problems, and other related topics. Upon completion, students should be able to perform spot, panel and overall refinishing repairs and identify and correct refinish problems.

ELECTRONICS I – (HCC) 11TH & 12 Graders – Taught at HCC's Regional High Technology Center (1:40 – 3:20) Student must provide own transportation.

Credit: 1 unit/1 semester

This course introduces DC and AC electricity with an emphasis on circuit analysis, measurement, and operation of test equipment. Introduces characteristics and applications of semiconductor devices and circuits. Introduces digital electronics topics of combinational and sequential logic circuits..

ONLINE OPTIONS

The following are high school AP courses that are offered online through NC Virtual Public School. Each class is **YEAR-LONG** in length and must be paired with another online **AP YEAR-LONG** course or an online course offered through HCC. **Students must have completed the commitment form for online class prior to the registration process.**

AP Year-long Course Online

AP PSYCHOLOGY

Credit: 1 unit

Prerequisites: Grade of "B" or higher in US History and teacher recommendation **Students are required to take the AP exam in May. Failure to do so will result in an F. There is a fee (\$89 for the school year 2013/14) for this test usually due at the beginning of the fall semester. The fee does change every year.**

Psychology is the study of behavior and mental processes. It is a science with roots in the fields of biology, philosophy and physiology. The philosophical background causes psychologists to wonder about the behavior and thinking of humans, and the more science-based knowledge allows us to test our hypotheses.

AP HUMAN GEOGRAPHY

Credit: 1 unit

Prerequisites: Grade of "B" or higher in US History and teacher recommendation. **Students are required to take the AP exam in May. Failure to do so will result in an F. There is a fee (\$89 for the school year 2013/14) for this test usually due at the beginning of the fall semester. The fee does change every year.**

The purpose of AP Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences.

AP WORLD HISTORY

Credit: 1 unit

Prerequisites: Grade of "B" or higher in US History, teacher. Students are required to take the AP exam in May. **Failure to do so will result in an F. There is a fee (\$89 for the school year 2013/14) for this test usually due at the beginning of the fall semester. The fee does change every year.**

The purpose of AP World History is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies.

AP STATISTICS

Credit: 1 unit

Prerequisites: Grade of "B" or higher in Algebra II or equivalent and teacher recommendation. **Students are required to take the AP exam in May. Failure to do so will result in an F. There is a fee (\$89 for the school year 2013/14) for this test usually due at the beginning of the fall semester. The fee does change every year.**

This course is designed to prepare students to collect, analyze and draw conclusions from data. Students will learn how to view data through a discriminatory eye to determine validity and be able to interpret data and analysis that is valid. Teaching the course is somewhat different than other traditional mathematics courses because it provides an answer to the age old mathematics student question of, "When are we going to use this?" Students will use real data, whether self-collected or from a primary source, to perform analysis or to test hypotheses. Students will conduct simulations and studies to help anchor topics throughout the course. Data will come from a variety of sources ranging from national newspapers to organization websites.

AP GOVERNMENT & POLITICS

Credit: 1 unit

Prerequisites: Grade of "B" or higher in Civics or US History and teacher recommendation. **Students are required to take the AP exam in May. Failure to do so will result in an F. There is a fee (\$89 for the school year 2013/14) for this test usually due at the beginning of the fall semester. The fee does change every year.**

This course includes general concepts used to interpret US politics (specific examples will be analyzed). Students in this course will confront critical questions about the American political landscape and their roles as citizens. We will question the compatibility of capitalism and democracy, the balance between security

and liberty, and the relationship between rights and responsibilities. Our attention will focus on Constitutional principles, the political process, policy making institutions, rights and liberties, and the politics of national policy. We will analyze such important concepts as social capital, immigration, inequality, racism, education, First Amendment rights, and the media. Students will not only read their textbook and numerous outside readings in one semester, but they should anticipate an average of one hour of homework per night. Students will complete work on challenging projects and sophisticated tests and will be expected to contribute to critical discussion. Students will complete weekly journal reviews of political events.

AP EUROPEAN HISTORY

Credit: 1 unit

Prerequisites: Grade of "B" or higher in an Honors or AP level World History. **Students are required to take the AP exam in May. Failure to do so will result in an F. There is a fee (\$89 for the school year 2013/14) for this test usually due at the beginning of the fall semester. The fee does change every year.**

This course is a college level survey course that covers the time period from approximately 1450 until the present. The course will cover economic, social, cultural, intellectual, political, and diplomatic themes in European History. Students will be expected to develop analytical thinking and persuasive writing skills in dealing with historical evidence and interpretation.

SEMESTER COURSES (ON LINE)

African American Studies

Anatomy & Physiology (EES, B or higher in Biology, 3 or 4 on Biology EOC)

Arabic I/II (II must have passed Arabic I)

German I/II (II must have passed German I)

Japanese I/II (II must have passed Japanese I)

Journalism

Latin I/II (II must have passed Latin I)

Leadership Development

Mandarin Chinese I

Medieval Studies

Psychology

H. Psychology

Russian I/II (II must have passed Russian I)

SAT Prep

DETERMINING ATHLETIC ELIGIBILITY NCHSAA

1. A student is eligible to participate in athletics at the school to which he/she is assigned by the local board of education within the administrative unit of residence.

2. Except as otherwise provided, the residence of any student shall be deemed to be that of his/her parents or the sole surviving parent. In the event the parents are separated or divorced, the residence of the student shall be that of the parent to whom custody has been awarded by a court of competent jurisdiction.

3. Scholastic Requirements: (A) A student, upon first entering grade nine, is eligible for competition on high school athletic teams. (B) A student who is not academically eligible at the beginning of the semester is not eligible at any time during the semester. A student who is academically eligible at the beginning of the semester remains eligible academically throughout the semester. (C) On the block scheduling format, a student must pass three of four courses per semester. Credit may not be awarded for school bus driving, office assistance, teacher assistance, laboratory assistance, and media assistance. (D) Summer school work used to make up part of the minimum load must be applied on the most recent semester, and credit for summer work is a determination of the local unit.

4. Attendance: (A) A player must have been in attendance for at least 85 percent of the previous semester at an approved high school. (B) A student must, at the time of any game in which he participates, be a regularly enrolled member of the school's student body. It is further recommended that a student be in school the day of the game in order to play in that game.

5. Eight Semester Rule: A student, upon first entering grade 9, is eligible for competition on high school athletic teams only during the succeeding eight consecutive semesters.

6. Maximum Number of Years: No student may be approved for a high school contest if he/she has taken part in contests during four separate seasons of the sport in which he/she desires approval.

7. Medical Examination: In order to be eligible for practice or participation in interscholastic contests, a player must receive a medical examination once every 365 days by a duly licensed physician, nurse practitioner, or physician's assistant.

8. Age of Player: No student may be approved for any athletic contest if his 19th birthday comes on or before October 16.

9. Dressing for Game or Practicing: A player shall not dress for a game or scrimmage when he/she is not eligible to participate in the game. Ineligible players are not allowed to participate in practice, either in season or during out-of-season workouts.

