

# 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 preregistration results and teacher allotments in each department. Preregistration results often indicate a need to offer more sections of a particular course than anticipated and also may indicate a need to delete a course due to an insufficient number of students showing a need or desire for that course.

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.

In the courses requiring EOC's, the tests will count twenty-five (25) percent of the final grade.

## ENGLISH

**\*NOTE: No student can repeat the same English course in a given year.** ALL Honors/AP students will be expected to read several titles from an approved list. English teachers will provide students with the necessary information before school ends.

### **ENGLISH I – 10212**

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, and higher level thinking skills. Students enrolled in this course will be required to take and pass the state End of Course test.

### **ENGLISH II – 10222**

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, and speaking.

**The course will also emphasize preparation of a writing assessment that is required of all sophomore students in March.**

### **ENGLISH III – 10232**

Credit: 1 unit

Prerequisite: English II

A survey course in American literature, English III emphasizes analytical, expository, and creative writing skills, grammar, vocabulary study, methods of research, problem solving, and high order thinking skills. English III students are required to complete a research paper.

### **ENGLISH IV – 10242**

Credit: 1 unit

Prerequisite: English III; successful completion of the junior research paper.

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

## **HONORS ENGLISH COURSES**

Honors English courses will require students to work as self-directed and reflective learners. Higher level thinking skills will be emphasized, as well as student performance in oral language, written language, and other media/technology.

### **HONORS ENGLISH I – 10215**

Credit: 1 unit

Prerequisite: Grade “B” or higher in the 8<sup>th</sup> grade

Language Arts/Reading and 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.

### **HONORS ENGLISH II – 10225**

Credit: 1 unit

Prerequisite: Grade of “B” or higher in English I; Level 3 or higher on English I EOC.

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 of a writing assessment that is required of all sophomore students in March.**

### **HONORS ENGLISH III – 10235**

Credit: 1 unit

Prerequisite: Grade of “B” or higher in English courses, 10<sup>th</sup> grade writing test, and 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.

**Honors English III students will also complete a required research paper.**

#### **HONORS ENGLISH IV – 10245**

Credit: 1 unit

Prerequisite: Grade of “B” or higher in previous English courses, 10<sup>th</sup> grade writing test, and teacher recommendation. *Successful completion of the junior research paper.*

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 III – 10337Y**

Credit: 1 unit (YEAR\_LONG, A/B SCHEDULE PAIRED WITH ANOTHER CLASS)

Prerequisites: Grade of “B” or higher in previous English courses, Level 3 or higher on English I EOC and 10<sup>th</sup> grade writing test. **Students enrolled in this course are required to take the AP exam in May.**

Recommended SAT Critical Reading score: 500 or higher (or PSAT Critical Reading score: 50 or higher). Teacher recommendation.

*The course, designed to imitate a college freshman English composition course, 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. AP English III students will also complete a required research paper.*

#### **ADVANCED PLACEMENT ENGLISH IV – 10367Y**

Credit: 1 unit

Prerequisites: Grade of “B” or higher in previous English courses, Level 3 or higher on English I EOC and 10<sup>th</sup> grade writing test. **Students enrolled in this course are required to take the AP exam in May.**

Recommended SAT Critical Reading score: 500 or higher or PSAT Critical Reading score of 50 or higher. Teacher recommendation.

Supplemental readings and assignments during the summer prior to the beginning of the class. *Successful completion of the junior research paper.*

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. Taking Advanced Placement English Exam in Language and Composition in May is required.

## **MATHEMATICS**

#### **FOUNDATIONS OF ALGEBRA – 20632A**

Credit: 1 elective unit

Prerequisite: None

This course is by teacher recommendation to help prepare some students for Algebra.

#### **ALGEBRA I- 20232**

Credit: 1 unit

Prerequisite: 8th grade Math.

This course **ALL** students must have to graduate. Some students take this course in 8<sup>th</sup> grade. For all other students, this course should be taken in 9<sup>th</sup> grade. The course is the study of algebraic concepts recognized by the state of North Carolina to be important for each student to be successful in the future. Students enrolled in this course will be required to take and pass the state End of Course Test.

#### **GEOMETRY - 20302**

Credit: 1 unit

Prerequisite: Algebra I

Beginning with 9<sup>th</sup> grade students in 2009-2010, ALL students must have this course. The majority of students will take this course when in 10<sup>th</sup> grade. The course is the study of geometric concepts recognized by the state of North Carolina to be important for each student to be successful in the future.

#### **ALGEBRA II - 20242**

Credit: 1 unit

Prerequisite: Geometry

Beginning with 9<sup>th</sup> grade students in 2009-2010, ALL students must have this course. The majority of students will take this course when in 11<sup>th</sup> grade. This course is the study of algebraic concepts of Algebra I and beyond recognized by the state of North Carolina to be important for each student to be successful in the future.

#### **ADVANCED FUNCTIONS AND MODELING - 20252**

Credit: 1 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 4<sup>th</sup> math credit required by North Carolina for students who enter 9<sup>th</sup> grade in the year 2009-10 and after to receive a high school diploma.

#### **TECHNICAL MATH I - 20152**

Credit: 1 unit

Prerequisite: Algebra I

This course is only offered to juniors and seniors for 2010-2011. This math course is for students not intending to attend a four-year university in North Carolina right after graduation.

## **TECHNICAL MATH II - 20172**

Credit: 1 unit

Prerequisite: Technical Math I

This course is only offered to seniors for 2010-2011. This math course is for students not intending to attend a four-year university in North Carolina right after graduation.

## **HONORS GEOMETRY – 20305**

Credit: 1 unit

Prerequisite: Grade of “B” or higher in 8<sup>th</sup> grade Algebra I, Level 3 or 4 on Algebra I EOC

Majority of students in this course are 9<sup>th</sup> graders. This course is for students in the math honors program. It is the study of geometric concepts recognized to be important by the state of North Carolina for each student to be successful in the future.

## **HONORS ALGEBRA II – 20245**

Credit: 1 math unit

Prerequisite: Grade of “B” or higher in Honors Geometry. Level 3 or higher on Geometry EOC

Majority of students in this course are 10<sup>th</sup> graders. This course is for students in the math honors program. It is the study of Algebra 1 concepts and beyond recognized by the state of North Carolina for each student to be successful in the future.

## **PRE-CALCULUS – 20635**

Credit: 1 math unit

Prerequisite: Grade of “B” or higher in Honors Algebra II or Advanced Functions and Modeling, Level 3 or higher on Algebra II EOC

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 honors math students.

## **HONORS CALCULUS – 207359**

Credit: 1 math unit

Prerequisite: Grade “B” or higher in Pre-calculus. Level 3 or higher on Algebra EOC.

This course is for students to have a thorough background of Calculus I before attending college.

## **AP CALCULUS – 20767Y**

Credit: 1 math unit

Prerequisite: Grade “B” or higher in Pre-calculus. Level 3 or higher on Algebra II EOC.

Each student in the class **must** take the AP Calculus test in May. If a student receives a high enough score on the AP exam, he/she will receive college credit for Calculus I. All students in the class will receive a thorough background of Calculus I before attending college.

# **SCIENCE**

## **BIOLOGY I – 30202**

Credit: 1 unit

Prerequisite: Pass Earth/Environmental Science

A study of the cellular, genetic, evolutionary, and ecological levels of the living world.

## **EARTH/ENVIRONMENTAL SCIENCE- 30382**

Credit: 1 unit

Prerequisite: Successful completion of the 8<sup>th</sup> grade.

This inquiry-based course emphasizes the scientific method, environmental awareness, natural resources, and conservation practices. Students enrolled in this course will be required to take and pass the state End of Course test in Biology.

## **PHYSICAL SCIENCE – 30102**

Credit: 1 unit

Prerequisite: Pass 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 – 30502**

Credit: 1 unit

Prerequisites: Biology I and Algebra II.

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

## **HONORS BIOLOGY I –30205**

Credit: 1 unit

Prerequisite: Grade of A or B in Earth/Environmental Science

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.

## **HONORS PHYSICS – 30605**

Credit: 1 unit

Prerequisite: Chemistry and Algebra II

Honors Physics includes all of the topics in the North Carolina 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.

## **HONORS CHEMISTRY II – 30515**

Credit: 1 unit

Prerequisite: Grade of A or B in Chemistry I and grade of A or B in Algebra II.

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 – 30215**

Credit: 1 unit

Prerequisite: Grade of A or B in Biology I and Chemistry I (or be taking Chemistry concurrently)

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

## **ADVANCED PLACEMENT BIOLOGY- 30217Y**

Credit: 1 unit (Year-Long A/B schedule paired with another class)

Prerequisite: Honors Biology I, Chemistry, plus instructor recommendation. Students are required to take the exam. Failure to do so will result in an F.

Topics for AP Biology will include plant and animal Physiology, Ecology, Genetics and DNA technology and Evolutionary Biology among others. This course will differ significantly from normal high school courses in respect to the textbook used, the range and depth of topics covered, the lab work done by students and the time, effort and responsibility required to successfully complete this course.

# **SOCIAL STUDIES**

## **WORLD HISTORY - 40242**

Credit: 1 unit

Required for all freshmen

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.

## **CIVICS AND ECONOMICS - 40522**

Credit: 1 unit

Required for ALL Sophomores

Pre-requisite: A credit in World History

This course is required for ALL graduates. Through the study of US civics and economics, students will acquire the skills and knowledge necessary to become responsible and effective citizens. Students will learn a practical understanding of these systems that affect their lives. This course serves as a foundation for US History. Students enrolled in this course must take and pass the state mandated EOC.

## **UNITED STATES HISTORY – 40212**

Credit: 1 unit

Prerequisite: 1 unit in World History and 1 unit in Civics/Economics.

This course is required for all 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. Students enrolled in this course will be required to take and pass the state End of Course Test in U.S. History.

## **HONORS WORLD HISTORY – 40245**

Credit: 1 unit

Prerequisite: Level 4 on 8<sup>th</sup> grade Reading EOG; Grade of 90 or higher on 8<sup>th</sup> 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.

## **HONORS CIVICS AND ECONOMICS – 40525**

Credit: 1 unit

Prerequisite: 90 or above in English I and Honors World History, good attendance record, and teacher recommendation.

*Honors Civics and Economics* should cover the material in greater complexity, novelty, acceleration and/or pacing, and reflect a defensible differentiated curriculum. Honors students should learn to express and defend their ideas while attaining the distance necessary to accept constructive criticism. Opportunities for each student to become a reflective thinker, become an initiator of learning and accomplishments, and explore areas of his/her interests within the designated course of study will be incorporated. *Honors Civics and Economics* is distinguished by a difference in the quality of the work expected, not merely an increase in quantity.

## **HONORS UNITED STATES HISTORY – 40215**

Credit: 1 unit

Prerequisite: 90 or above in Civics. Level 4 on Civics/Economics EOC test, good attendance, and teacher recommendation.

*Honors United States History* 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 idea generated through the study of the content. *Honors*

*United States History* is distinguished by a difference in the quality of the work expected, not merely an increase in quantity.

### **ADVANCED PLACEMENT UNITED STATES HISTORY- 40217Y (will be paired)**

Credit: 1 unit

Prerequisite: Grade of “B” or higher in Honors U.S. History. Teacher recommendation.

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. Students enrolled in this course are required to take the AP Exam in May and the EOC at end of school term. This class will meet alternately with AP English on an A/B Day schedule.

## **FOREIGN LANGUAGE**

### **SPANISH I – 10512**

Credit: 1 unit

In this beginning course, emphasis is placed on students being able to communicate about their lives and experiences. The cultural aspects of Mexico will be explored.

### **SPANISH II – 10522**

Credit: 1 unit

Prerequisite: Spanish I

This course expands upon the skills learned in Spanish I and enables the student to interact with others on a variety of issues. The cultural aspects of Spain will be explored.

### **SPANISH III – 10535**

Credit: 1 unit

Prerequisite: Spanish II

**An honors course**-This honors course will further expand student’s skills to communicate on a variety of topics both inside and outside the classroom. The cultural emphasis will be on Central America and the Caribbean.

### **SPANISH IV – 10545**

Credit: 1 unit

Prerequisite: Spanish III

**An honors course**-This honors course will enable student’s to communicate on a wide variety of issues both in writing and in extended conversations. The cultural emphasis will be on South America.

### **SPANISH V – 10555**

Credit: 1 unit

Prerequisite: Spanish III

**An honors course**-This honors course will enable student’s to communicate using role-playing and other

methods to further develop their ability to communicate comfortably in Spanish. Culture and the finer points of grammar are also studied.

### **FRENCH I – 10412**

Credit: 1 unit

Students develop listening and oral skills with emphasis on vocabulary. French music, food, and customs are studied.

### **FRENCH II – 10422**

Credit: 1 unit

Prerequisite: French I

Students increase listening and oral skills, adding grammar skills. More emphasis on French traditions.

### **FRENCH III – 10435**

Credit: 1 unit

Prerequisite: French II – at least a B and teacher recommendation.

**An honors course**-The third year students focus on composition and conversation. The students learn to develop their ideas on paper and in speech.

### **FRENCH IV – 10445**

Credit: 1 unit

Prerequisite: French III

**An honors course**-Selected readings by French authors include plays, novels, short stories and poems. Readings also include some composition and discussion in French.

### **FRENCH V (Literature) – 10455**

Credit: 1 unit

Prerequisite: French III

**An honors course** –Selected readings by French authors include plays, novels, short stories and poems. Readings also include some composition and discussion in French.

## **HEALTH AND PHYSICAL EDUCATION**

**NOTE: More than one P.E. per semester must have departmental approval.**

### **HEALTH/PE**

#### **901121 - Girls**

#### **901122 - Boys**

Credit: 1 unit

Prerequisite: Completion of the 8<sup>th</sup> grade

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.

### **TEAM SPORTS – 901523**

Credit: 1 unit

Prerequisite: Must have passed Health/PE

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.

**BEGINNING WEIGHTS – 901524 – Boys  
901525 – Girls**

Credit: 1 unit

Prerequisite: Must have passed Health/PE

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

**ADVANCED/ATHLETICS WEIGHTS – 901526**

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.

## **BUSINESS**

**PRINCIPLES OF BUSINESS - 62002**

Credit: 1 unit

Prerequisite: None

This course introduces the major principles and concepts that are the foundation for future study of business and management. Topics of study include basic business principles, finance concepts, management concepts, systems thinking, quality management, and the current environment for business in a multinational marketplace. Communication skills and basic mathematical concepts are reinforced in this course. This course covers the history of the American Economy, and the Great Depression. Students will have the opportunity to visit a local bank and or the Federal Reserve Bank in Atlanta, GA.

**PERSONAL FINANCE – 649921**

Credit: 1 unit

Prerequisite: None

This course is designed to increase financial literacy among high school students and prepare them to be successful managers of their personal, family and environmental resources. Students learn to manage resources through authentic applications that are relevant to their lives – e.g. spending plans, cost analyses, strategic career plans, comparison shopping, individual and family scenarios, and product care demonstrations. Lesson activities are derived from a series of highly motivational, activity-based lessons produced by the Family Economics and Financial Education (FEFE) Project of University of Arizona. Students compile a portfolio of work products and assessments for each application.

**COMPUTER APPLICATIONS I - 64112**

Credit: 1 unit

This course focuses on software program instruction. Topics to be covered include: Internet safety and security, electronic communications (blogs, podcasts, discussion boards, e-mail), desktop publishing (flyers, brochures, business cards), advanced spreadsheets to include charts and graphs, advanced databases, advanced word processing, and PowerPoint. Students will have access to school based e-mail. Activities will include electronically communicating with teacher and peers and online correspondence.

**COMPUTER APPLICATIONS II - 64122**

Credit: 1 unit

Prerequisite: Computer Applications I

This course covers advanced computer applications. Topics to be covered include: Graphic image design, advanced desktop publishing, multimedia production

(computer animations, virtual reality design), and web page development and design.

**E-COMMERCE I – 64152**

Credit: 1 unit

Prerequisite: Computer Applications II

This course is designed to help students master skills in the design and construction of complex web sites for conducting business electronically. Emphasis is on skill development in advanced web page construction and entrepreneurial applications of conducting business electronically as well as economic, social, legal, and ethical issues related to electronic business. Students will plan, design, create, publish, maintain, and promote an electronic business web site. Communication skills and critical thinking are reinforced through software applications. Students must be able to utilize time management skills and work independently.

**E-COMMERCE I – 64152**

Credit: 1 unit

Prerequisite: Computer Applications II

This course is designed to help students master skills in the design and construction of complex web sites for conducting business electronically. Emphasis is on skill development in advanced web page construction and entrepreneurial applications of conducting business electronically as well as economic, social, legal, and ethical issues related to electronic business. Students will plan, design, create, publish, maintain, and promote an electronic business web site. Communication skills and critical thinking are reinforced through software applications. Students must be able to utilize time management skills and work independently.

**BUSINESS ADVANCED STUDIES - 65992**

Credit: 1 unit

Prerequisite: Three Business or Marketing credits in the Business Technologies pathway; one credit must be Computer Applications II. Student must have an A in

the class as well as a proficient VOCATS score and/or teacher recommendation.

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

### **BAND I FALL-52552 & SPRING-525522**

### **BAND II FALL-52562 & SPRING- 525622**

### **BAND III FALL- 52572 & SPRING 525722**

### **BAND IV FALL-52582 & SPRING - 525822**

Credit: 1 unit

Prerequisite: Successful completion of middle school band.

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 in any of the after school activities the band program offers. Exception – color guard.

### **HONORS BAND III – 52575**

Credit: 1 unit

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

#### **Focus Areas**

- Advanced, more individualized work in authentic learning situation.
- In-depth research, analysis, reflection, application and performance.

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 III prepares students for further instrumental studies in music. See Mr. Ulery for more information.

### **HONORS BAND IV – 52585**

Credit: 1 unit

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

#### **Focus Areas**

- Advanced, more individualized work in authentic learning situation.
- In-depth research, analysis, reflection, application and performance.

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. See Mr. Ulery for more information.

### **MUSIC APPRECIATION - 52202**

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.

**ALL PISGAH HIGH SCHOOL CHORUS STUDENTS ARE INVITED TO PARTICIPATE IN A COMPETITION TRIP IN THE SPRING. STUDENTS IN ORION SHOW CHOIR ARE REQUIRED TO ATTEND COMPETITION.**

### **CONCERT CHOIR – 523021**

Credit: 1 unit

Prerequisite: none – 1<sup>st</sup> semester only

Students in this class are NOT required to audition. This class will NOT do choreography as part of the curriculum.

### **MIXED CHORUS I – 523022**

### **MIXED CHORUS II - 523122**

Credit: 1 unit

Prerequisite: None.

Students are NOT required to audition. Students in this class WILL be required to do choreography in their performances.

### **WOMEN'S TREBLE CHOIR I – 523023**

### **WOMEN'S TREBLE CHOIR II – 523123**

Credit: 1 unit

Prerequisite: Treble Choir I if planning on taking Treble Choir II-offered 2<sup>nd</sup> semester

Students in this class are NOT required to audition but WILL do choreography as part of their curriculum.

### **ORION SHOW CHOIR - 523221**

Credit: 1 unit

Prerequisite: Chorus I (minimum) and by audition. 2nd semester only.

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.

### **BACH TO BROADWAY SELECT CHORUS-523222**

Credit: 1 unit

Prerequisite: By audition only. Fall semester only.

Students in this class are required to audition. Students will be required to participate in a Broadway musical, which will be performed in October, 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.

**HONORS BACH TO BROADWAY III-52325**

Credit: 1 unit

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

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.

**HONORS BACH TO BROADWAY IV – 52335**

Credit: 1 unit

Prerequisite: Honors Bach to Broadway III

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

**DRAMA– 102922**

Credit: 1 unit

Prerequisite: Completion of 8<sup>th</sup> grade; interest in the dramatic arts.

This course is an academically structured overview of theater including beginning dramatic performances and history of drama. The student must demonstrate and maintain self-control to develop skills necessary to explore the areas of improvisation, pantomime, and vocal control, diction, characterization, stage make-up, basic set design and lighting, and the origins of drama throughout the world.

**ART I - 54152**

Credit: 1 unit

Prerequisite: Completion of the ninth grade

This course provides the fundamentals allowing the student to approach art as simply cultural enrichment, avocation, or a preparatory course for the following career areas: architecture, art education, graphic design and illustration, fine arts production, industrial and interior design, and art history. Contains short courses in drawing, design, painting, printmaking, 3-dimensional design, and sculpture. The course includes a survey of art history from prehistoric to 20th century concentrating on the progression of the art process and the comparison of art to established cultures and periods in history. Supplies for the class will cost \$10.00.

**ART II - 54162**

Credit: 1 unit

Prerequisite: Art I

This course is designed specifically for students interested in pursuing an art based career such as architecture, art education, graphic design, museum management, interior, industrial, or fashion design, and fine arts production. The course consists of an introductory course in photography, advanced technical instruction in drawing, painting, sculpture, design, and printmaking. Student will be expected to produce major works of art using advanced technologies and media over

sustained periods of time. Students will be required to begin work on a portfolio and develop a personal drawing style. The course includes a survey of art history from 1900 to the present time concentrating on the progression of the art process and the comparison of art to established cultures and periods in history. Supplies for the class will cost \$10.00.

**ART III – 54172**

Credit: 1 unit

Prerequisite: Art II

This course is specifically for students interested in pursuing a career in art education, fine arts, or some area of commercial. Art. The course enables the career minded student to explore an area of interest such as sculpture, printmaking, painting, drawing, designing, or photography for an extended period of time culminating in the development of major works of art suitable for public and competitive exhibition. Students will be required to complete a body of artwork with a central theme. Students will be required to produce a portfolio of selected work in 35 MM color slides suitable of screening by college boards. Students may be required to present their work for public review at the end of the year. Students will be required to accomplish selected service works during the year for school/community.

**ART IV – 54182**

Credit: 1 unit

Prerequisite: Art III, Recommendation of Placement Committee

This course is designed for the career minded art student who wishes to explore selected areas of art over extended periods of time. Emphasis will be placed on refinement of a personal style, expansion of artistic limits, portfolio production, and establishment of a selected period of interest in art history. Students will be required to complete a body of artwork for public review. In addition, students may be required to complete service projects for school/community related activities.

**HONORS ART III – 54175**

Credit: 1 unit

Prerequisite: Completion of Visual Arts I and II, Teacher Recommendation, A, or B Grade.

Honors Visual Arts III is an advanced level course and involves more in-depth knowledge of art processes, media, history and the development of such. Supplies for the class will cost \$10.00.

**HONORS ART IV – 54185**

Credit: 1 unit

Prerequisite: Completion of Honors Visual Arts III, Teacher Recommendation, A or B Grade.

Honors Visual Arts IV is an even more advanced level of Honors Visual Arts II and involves additional in-depth knowledge of art processes, media, history and the development of such. In addition, students are expected to become initiators of learning and accomplishment, as



well as, demonstrate leadership and expertise in visual arts. Supplies for the class will cost \$10.00.

## **CAREER AND TECHNICAL EDUCATION**

### **AGRICULTURE**

#### **ANIMAL SCIENCE I - 68212**

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, chickens and rabbits 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 9 – 11 grades.

#### **ANIMAL SCIENCE II – 68222**

Credit: 1 unit

Prerequisite: Animal Science I

This course includes a continuation of the sheep and goat project similar to 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-689921**

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

#### **AGRISCIENCE APPLICATIONS - 68102**

Credit: 1 unit

Prerequisite: None

This course focuses on goat, sheep, and chicken production and management practices. It is a hands-on course, with much “learning by doing” at our farm. The class will be expected to dress appropriately, and be willing to get dirty, to go to the farm and work outside in all types of weather, including rain and extreme cold, as the animals at our farm will have to be checked every

day. Class members will also be expected to do everyday farm chores, such as cleaning out the barn, unloading hay, building fence, feeding, etc. We do have dressing rooms in our shop and students are expected to change clothes and **MUST** wear boots to the farm. There is also classroom study about the FFA, as well as units on animal science, horticulture, and natural resources.

#### **EQUINE (HORSE) SCIENCE I – 68252**

Credit: 1 unit

Prerequisite: None

This course focuses on the basic care of horses. It includes breeding, nutrition, maintenance, and basic training. Students will gain hands-on experience working with miniature horses on campus. 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. Please be aware that all students will be exposed to mud, manure, animal dander, and hay. Students with high allergies may want to consider this before taking this class, because participation will be expected from all students.

#### **EQUINE SCIENCE II – 68262**

Credit: 1 unit

Prerequisite: Equine Science I

The course builds on the information that was learned in Equine 1, including stable management. Students will gain hands-on experience working with miniature horses on campus. 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. Please be aware that all students will be exposed to mud, manure, animal dander, and hay. Students with high allergies may want to consider this before taking this class, because participation will be expected from all students.

#### **EQUINE ADVANCED STUDIES – 68992**

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

#### **HORTICULTURE I (GREENHOUSE/PLANT) - 68412**

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 plants, pollen, and soil. Participation is a required part of the course, and students with allergies should consider this before taking the class.

### **HORTICULTURE II - 68422**

Credit: 1 unit

Prerequisite: Horticulture I

The 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 contest. FFA membership is highly recommended to get the most out of Agriculture classes.

### **HORTICULTURE ADVANCED STUDIES-689923**

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

## **BUSINESS**

### **PRINCIPLES OF BUSINESS - 62002**

Credit: 1 unit

Prerequisite: None

This course covers the history of the American economy, the Great Depression, the Federal Reserve System, and financial and management concepts in a multinational marketplace. Students will visit the Federal Reserve Bank in Atlanta GA.

### **PERSONAL FINANCE – 649921**

Credit: 1 unit

Prerequisite: None

This course increases financial literacy and awareness of credit cards, checking and savings accounts, budgeting, and insurance which prepares students to be successful managers of their personal family and environmental resources.

### **COMPUTER APPLICATIONS I - 64112**

Credit: 1 unit

This course covers Internet safety and security, electronic communication, desktop publishing, spreadsheets, databases, PowerPoint, and Word.

### **COMPUTER APPLICATIONS II - 64122**

Credit: 1 unit

Prerequisite: Computer Applications I

This course covers graphic design, advanced desktop publishing, multimedia production, and web page development.

### **E-COMMERCE I – 64152**

Credit: 1 unit

Prerequisite: Computer Applications II

This course covers advanced web page design for conducting business electronically.

### **BUSINESS ADVANCED STUDIES - 65992**

Credit: 1 unit

Prerequisite: Three Business or Marketing credits in the Business Technologies pathway; one credit must be Computer Applications II. Student must have an A in the class as well as a proficient VOCATS score and/or teacher recommendation.

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. Assignments may include the study and design of web pages. 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.

## **FAMILY AND CONSUMER SCIENCES**

### **TEEN LIVING - 70152**

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. A fee of \$10.00 is used to partially cover cost of supplies used in this course.

### **APPAREL DEVELOPMENT I - 70352**

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 – 70362**

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 - 70452**

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. A fee of \$21.00 is used to partially cover cost of groceries that students will prepare and eat.

### **Foods II - 70462**

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. A fee of \$21 is used to partially cover groceries that students will prepare and eat.

### **ADVANCED STUDIES - FOODS – 719921**

### **ADVANCED STUDIES – CLOTHING - 719922**

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/or 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.

## **HEALTH OCCUPATIONS**

### **ALLIED HEALTH SCIENCE I - 72112**

Credit: 1 unit

Prerequisite: Strongly recommend Biology and Health

Investigates the health care delivery system, its services, occupations and related sciences. Topics include terminology, body systems, medical math, microbiology, anatomy and physiology, diseases/disorders, diagnoses, treatments, patient care regimens, career development and future technological innovations.

### **ALLIED HEALTH SCIENCES II - 72122**

Credit: 2 units

Prerequisite: Allied Health Sciences I (Seniors)

This course is designed to prepare potential health care workers, preferably seniors, to become effective and efficient multiskilled health team members. Emphasis is placed on the development of proficiency in employability skills, emergency care skills, safety skills, clerical skills, and health care skills. The work-based learning strategy appropriate for this course is a minimum 40-hour clinical internship where student interns deliver health care in local hospitals, medical/dental/veterinarian offices, nursing/convalescent/retirement facilities, wellness centers, etc. Skills in science, mathematics, communications, health, and social studies are reinforced in this course. HOSA activities support networking with health care agencies and professionals through the development of clinical expertise and volunteerism.

## **MARKETING**

### **MARKETING - 66212**

Credit: 1 unit

Prerequisite: None

This introductory course is designed to prepare students interested in pursuing careers in marketing. The course emphasizes the foundations of business, management, and entrepreneurship. Students will explore important marketing concepts, functions, communication and

interpersonal skills necessary for marketing and management careers. Foundations and functions of marketing include distribution, financing, selling, pricing, promotion, marketing-information management, and product/service management. Marketing simulations, projects, teamwork, DECA leadership activities, meetings, conferences, and competitions provide many opportunities for application of instructional competencies.

### **SPORTS AND ENTERTAINMENT MARKETING I – 66702**

Credit 1

Prerequisite: Strongly recommend Marketing

This course builds on the marketing foundations and is designed for students who are interested in pursuing careers in the sports, entertainment, and event marketing industries. The course emphasizes business and economic foundations, branding, licensing, naming rights, concessions and on-site merchandising, promotion, safety and security, and human relations. Marketing simulations, projects, teamwork, DECA leadership activities, meetings, conferences, and competitions, cooperative education provides many opportunities for application of instructional competencies.

### **SPORTS AND ENTERTAINMENT MARKETING-II – 66712**

Credit 1

Prerequisite: Sports and Entertainment Marketing I

This course builds on foundations learned in Sports and Entertainment Marketing I and is designed for students interested in an advanced study of sports, entertainment, and event marketing. Emphasis is placed on business management, career development options, client relations, ethics, events management, facilities management, legal issues and contracts, promotion, and sponsorships. Students will be encouraged to apply their knowledge to sports and entertainment events at Pisgah and in the community. Marketing simulations, projects, teamwork, DECA leadership activities, meetings, conferences, competitions, and cooperative education provide many other opportunities for application of instructional competencies.

### **MARKETING CO-OP – 66216**

\*\*Cooperative on-the-job training is available in Marketing Education. Students must be enrolled in a Marketing class and can receive 1 unit of credit for the class and a second unit for the cooperative training if specific criteria are met.

## **TRADE AND INDUSTRIAL EDUCATION**

### **INTRODUCTION TO TRADE AND INDUSTRIAL EDUCATION – 74002**

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.

### **CONSTRUCTION TECHNOLOGY I – 77212**

Credit: 1 unit (semester)

Prerequisite: Completion of the 9<sup>th</sup> grade

This course provides instruction in carpentry of safety, hand and power tools, blue prints, building materials, and employability skills.

### **CONSTRUCTION TECHNOLOGY II - 77222**

Credit: 2 units (Year Long)

Prerequisite: Construction Technology I

This course provides instruction in carpentry of floor systems, wall and ceilings, roof framing and applications, concrete, doors and windows, insulation, stairs, exterior finishing, steel framing, and drywall.

### **CONSTRUCTION TECHNOLOGY III – 77232**

Credit: 2 units

Prerequisite: Construction Technology II and Teacher Recommendation

This course provides instruction in carpentry of doors and door hardware, commercial drawing, drywall finishing, suspending ceilings, inside trim, cabinets, rigging, concrete finishing, and foundations.

### **COMPUTER ENGINEERING TECHNOLOGY I- 79912**

Credit: 1 unit

Prerequisite: Completion of the 9<sup>th</sup> Grade

Through this curriculum students learn about the components that make up a computer and how they function. They will also get the chance to build and repair computers as they build on their understanding of how computers work.

Students who complete this course of study will have the knowledge to pass the industry standard CompTIA A+ Essentials exam. Students will need a good mathematical aptitude as well as problem solving.

### **COMPUTER ENGINEERING TECHNOLOGY II – 79922**

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+.

### **CISCO NETWORKING I – 79802**

Credit: 1 unit

Prerequisite: None

The Cisco Networking I curriculum provides the experience needed to help meet the growing demand for IT professionals. The course helps prepare students for entry-level career opportunities, continuing education, and globally recognized Cisco certifications. Cisco Networking I teaches networking based on application, covering networking concepts within the context of network environments students may encounter in their daily lives. From small office and home office (SOHO) networking to more complex enterprise and theoretical networking models later in the curriculum.

### **CISCO NETWORKING II – 79812**

Credit: 1 unit

Prerequisite: Cisco Networking I

Small and medium business and enterprise sized networks. Introduces concepts such as IP addressing, switching, routing, WAN technologies, and security to the next level. As the complexity and size of the network grows, associated concepts such as advanced routing protocols, enterprise switching, and network performance are introduced. Introducing Routing and Switching in the Enterprise Designing and Supporting Computer Networks.

### **COMPUTER ENGINEERING ADVANCED STUDIES - 799924**

Credit: 1 unit

Prerequisite: CET I, CET II and one other T&I course: A in class and proficient level on VOCATS score, and/or teacher recommendation.

This course allows **seniors** to pursue a topic of interest using knowledge and skills gained from previous workforce development and academic courses.

### **METALS MANUFACTURING I - 76412**

Credit: 1 unit

Prerequisite: Completion of the 9th grade

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 – 76422**

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 – 76432**

Credit: 2 units (year long)

Prerequisite: Completion of Metals and Metals II along with teacher recommendation.

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 - 799922**

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.

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

### **DRAFTING I - 79212**

Credit: 1 unit

Prerequisite: Geometry is recommended

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 - 79622**

Credit: 1 unit

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**

Course Number: 79722

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 - 799921**

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 proficient drafting student. The student will assist the teacher by being interactive with level 1 students and doing project-based drawings as needed.

### **WELDING I - 76612**

Credit: 1 unit

Prerequisite: Completion of the 9th grade

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 – 76622**

Credit: 2 units (year long)

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 – 76632**

Credit: 2 units (year-long)

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.

### **PULP & PAPER TECHNOLOGY I -740925**

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 -740926**

Credit: 1 unit

Prerequisites: PPT 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 - 740927**

Credit: 1

Prerequisite: PPT II

Successful Completion of this course along with PPT I and II will earn the student the equivalent of a Certificate in Papermaking and do 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 –740928**

Credit 1

Prerequisite: PPT I, II, and 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 assistant to the instructor in setting up labs and procedures for evaluation and will provide selective lectures for the other students. Upon completion the student will be more employee ready and has demonstrated the ability to work in teams and independently as a technician. The students will complete several research papers and an interview project.

## **NJROTC PROGRAM**

### **NJROTC I – 95012**

### **NJROTC II – 95022**

### **NJROTC III - 95032**

Credit: 1 unit

Prerequisite: This course is for freshmen, sophomores, and juniors.

Pisgah High School NJROTC earned the top rating of "Distinguished Unit with Academic Honors." The Navy rates this program number two of seventy programs in North and South Carolina. Students in all career paths, whether College/University Prep, Career Prep, College Tech Prep, or Occupational Prep, receive full elective credit through this course. Students may try for leadership positions and extracurricular activities or just participate in the class as a normal elective. Classes

become interesting through computer games and large screen illustrations. 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, advanced 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 - 95042**

Credit: 1 unit

Prerequisite: None if in 12th grade

Students in all career paths, whether College/University Prep, College Tech Prep, or occupational Prep, receive full elective credit through this course. 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, advanced 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.

#### **NAVAL SCIENCE III (HONORS) - 95035**

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, Rules for the road and Maneuvering Board, Naval Weapons and Aircraft, Drill and physical fitness. The curriculum includes the study of a variety of leadership business, and industrial leaders and challenge 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. Students in all career paths, whether College/University Prep, College Tech Prep, or occupational Prep, receive full elective credit through NJROTC.

#### **NAVAL SCIENCE IV (HONORS) – 95045**

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. Students in all career paths, whether College/University Prep, College Tech Prep, or occupational Prep, receive full elective credit through NJROTC.

#### **DRILL AND CEREMONY II – 950222**

#### **DRILL AND CEREMONY IV - 950422**

(FALL SEMESTER) (SPRING SEMESTER)

Credit: 2 units

Prerequisite: Recommendation of instructor

Students in all career paths, whether College/University Prep, College Tech Prep, or occupational Prep, receive two full elective credits and 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 evens throughout the community,

state, and nation. Classes 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. Selected students act as mentors one day per week at middle and elementary schools. 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**

### ***ONLY ONE ASSISTANT ALLOWED THROUGHOUT HIGH SCHOOL***

#### **LIBRARY/MEDIA STUDENT ASSISTANT - 95152**

Credit: 1 unit

Prerequisite: Recommendation of Placement Committee

These students work with other students and staff in a business environment. They develop their own research, clerical and media /technology skills, and grasp a general knowledge of the media profession. Students will be expected to master the competencies outlined in the curriculum standards approved by the State Board of Education for the Student Library Media Assistant's Program. Students may only take once throughout high school.

#### **TEACHER CADET I – 95125**

#### **TEACHER CADET II - 95135**

Credit: 1 unit

Prerequisite: Have a GPA of 3.0 or above on a 4.0 scale, enrolled in a college preparatory curriculum, complete an application that includes written recommendations, an essay, and/or interview.

The Teacher Cadet class is designed for high school juniors/seniors who are interested in the field of education and have followed the college preparatory curriculum. A two-semester course is an introduction to the teaching profession and carries college credit for students in an education major. First semester, students will receive classroom instruction in the role and responsibility of the learner, the school, the teacher, and the teaching profession. Second semester, students will complete a semester-long field experience. During the field experience, students will observe and participate in other classrooms from the perspective of a student teacher.

- For seniors: The classroom instruction will be fall semester. Field experience will follow in the spring semester.
- For juniors: Classroom instruction will be spring semester with field experience occurring in the fall of the senior year.

#### **STUDY SKILLS – 10100**

Credit: 1 unit

Prerequisite: Enrolled in Exceptional Children's Program.

Study Skills 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.

#### **ANNUAL/PUBLICATION - 95202A**

Credit: 1 unit

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.

## **HAYWOOD COMMUNITY COLLEGE COURSES**

#### **CRIMINAL JUSTICE I (HCC) – 7899U1**

Credit: 1 unit

Prerequisite: None

This course introduces the components and processes of the criminal justice system. Topics include history, structure, functions, and philosophy of the criminal justice system and their relationship to life in our society. An overview of the juvenile justice system is also covered.

#### **CRIMINAL JUSTICE II (HCC) – 7899U2**

(Criminology/Law Enforcement Operations)

Credit: 1 unit

Prerequisite: Criminal Justice I

This course introduces deviant behavior as it relates to criminal activity. Topics include theories of crime causation; statistical analysis of criminal behavior; past, present, and future social control initiatives, and fundamental law enforcement operations.

#### **CRIMINAL JUSTICE (HCC) III – 7899U3**

(Ethics and Community Relations/Criminalistics)

Credit: 1 unit

Prerequisites: Criminal Justice I and II

On HCC Campus/Student will need to provide own transportation.

This course covers ethical considerations and accepted standards applicable to criminal justice organizations and professionals. Topics include ethical systems; social change, values, and norms; cultural diversity; citizen involvement in criminal justice issues. The forensic laboratory and its relationship to successful criminal investigations and prosecutions will also be covered.

#### **AUTOMOTIVE TECHNOLOGY I (HCC) – 8999U1**

Credit: 1 unit



Prerequisite: Completion of the 9<sup>th</sup> grade  
1<sup>st</sup> 9 weeks

Upon completion, students should be able to perform a variety of automotive repairs using proper service procedures and operate appropriate equipment.  
2<sup>nd</sup> 9 weeks

Upon completion, students should be able to properly use wiring diagrams, diagnose, test, and repair basic wiring, battery, starting, charging, and electrical concerns.

### **AUTOMOTIVE TECHNOLOGY IIA and IIB (HCC) – 8999U2**

Credit: 2 units

Prerequisite: Automotive Technology I

**1<sup>st</sup> 9 weeks Fall** Upon completion, students should be able to perform basic diagnosis/repair of automotive engines using appropriate tools, equipment, procedures, and service information.

**2<sup>nd</sup> 9 weeks Fall** Upon completion, students should be able to perform basic diagnosis/repair of automotive engines using appropriate tools, equipment, procedures, and service information.

**1<sup>st</sup> 9 weeks Spring** Upon completion, students should be able to diagnose, service, and repair various automotive braking systems.

**2<sup>nd</sup> 9 weeks Spring** Upon completion, students should be able to describe operation and diagnose/repair basic ignition, fuel and emission related drivability problems using appropriate test equipment/service information.

### **ADVANCED STUDIES – Automotive Technology – 8999U4**

Credit: 1 unit

Prerequisite: Automotive IIA, IIB and Teacher Approval

This culminating course is for **seniors** who are focused in the field of automotive technology. Students will have in-depth study of all curriculum presented in the previous 3 semesters. This course is geared toward those students who will pursue employment in the automotive industry after graduation from high school.

## **ONLINE OPTIONS**

### **LEARN AND EARN COURSES – 2010-2011**

**1<sup>ST</sup> SEMESTER Fall**

**2<sup>ND</sup> SEMESTER Spring**

Credit: 1 unit

Prerequisite: To register for any online courses, **students must have a GPA of 3.25 or higher.**

#### *Haywood Community College Fall Semester*

Course Pre	Course No.	Course
ANT 220	4070T	Cultural Anthropology
ART 114	5449T1	Art History I
ART 265	5437T2	Digital Photo II
COM 120	9777T1	Interpersonal Comm.
ECO 251	4055T1	Prin. Of Microecon.
ENG 111	1025T1	Expository Writing

ENG 113	1025T2
ENG 114	1027T1
ENG 232	1027L1
HEA 110	7399T1
HIS 226	4999T5
MAT 140	2063T1
POL 120	4024T1
PSY 150	4080T
PSY 241	7399T4
PSY 275	7399T5
PSY 281	7399T6
REL 212	4025LL
SOC 210	4060T
SOC 213	4999T6
SOC 215	4060T1
SOC 230	4060T2

Lit. -Based Research
Prof. Research & Rep.
American Literature II
Personal Health/Well.
The Civil War
Surv. Of Mathematics
American Govern.
General Psychology
Developmental Psy.
Health Psy.
Abnormal Psy.
Intro. To New Testament
Intro. To Sociology
Sociology of the Family
Group Processes
Race & Ethnic Relations

#### *Southwestern Community College Fall Semester General Ed*

Course Pre.	Course No.	Begin Date	Course
ACA 115	9575T1	8/16/10	Success & Study Skills
ACA 118	9575T2	8/25/10	College Study Skills
ENG 111	1025T1	8/16-8/25/10	Expository Writing
ENG 113	1025T2	8/16/10	Literature-Based Research
HEA 110	7300T1	8/16-8/25/10	Personal Health & Wellness
HIS 121	4024K1	8/16/10	Western Civilization I
HIS 122	4024L1	8/25/10	Western Civilization II
HIS 131	4021K1	8/16/10	American History I
HUM 121	4090T	8/25/10	The Nature of America
HUM 160	4090T1	8/16/10	Intro. To Film
MAT 140	2063T1	8/16/10	Survey of Mathematics
POL 120	4024T2	8/16-8/25/10	American Government
PSY 150	4080T	8/16-8/25/10	General Psychology
RED 111	1029T1	8/25/10	Critical Reading for College
REL 111	4999T6	8/16/10	Eastern Religions
REL 112	4999T7	8/16/10	Western Religions
SOC 210	4060T	8/16/10	Introduction to Sociology

#### *Haywood Community College Spring Semester*

Course Prefix	Course Number	Course
ANT 210	4070T3	General Anthropology
ART 265	5437T2	Digital PhotographyII
COM 120	9777T1	Interpersonal Comm.
ECO 252	4054T1	Princ. of Macroecon.
ENG 111	1025T1	Expository Writing
ENG 114	1027T1	Pro. Research & Rep.
HEA 110	7399T1	Personal Health/Well.
HIS 122	4024L1	Western Civilization II
HIS 131	4024K1	American History I
HIS 132	4021L1	American History II
HIS 226	4999T5	The Civil War
MAT 140	2063T1	Survey of Math.
MAT 151	TBA	Statistics I
POL. 120	4024T1	American Government
PHI 210	9575T3	History of Philosophy
PSY 150	4080T	General Psy.
PSY 237	7399T7	Social Psy.
PSY 241	7399T4	Developmental Psy.
PSY 275	7399T5	Health Psy.
PSY 281	7399T6	Abnormal Psy.
REL 110	TBA	World Religions
SOC 210	4060T	Intro. To Sociology
SOC 213	4999T6	Sociology of the Family
SOC 230	4060T2	Race & Ethnic Relations

#### *Southwestern Community College Spring Semester General Ed Course No.*

*Start Date*

ACA 115	9575T1	1/7/11	Success & Study Skills
ACA 118	9575T2	1/20/11	College Study Skills
ENG 111	1025T1	1/7-1/20/11	Expository Writing
ENG 113	1025T2	1/7-1/20/11	Lit.-Based Research
ENG 131	1027T2	1/7/11	Intro. To Literature
HEA 110	7300T1	1/7-1/20/11	Personal Health & Wellness
HIS 121	4024K1	1/7-1/20/11	Western Civilization I
HIS 122	4024L1	1/7/11	Western Civilization II
HIS 132	4021L1	1/7/11	American History II
HUM 121	4090T	1/7/11	The Nature of America
HUM 160	4090T1	1/7/11	Intro. To Film
MAT 140	2063T1	1/7/11	Survey of Mathematics
MAT 161	2063T2	1/7/11	College Algebra
POL 120	4024T2	1/7/11	American Government
PSY 150	4024T2	1/7-1/20/11	General Psychology
RED 111	1029T1	1/20/11	Critical Reading for College
REL 112	4999T7	1/7/11	Western Religions
SOC 210	4060T	1/7/11	Introduction to Sociology

The following are regular high school courses that are offered online through NC Virtual Public School. Each class is one semester in length and must be paired with another online course or one face-to-face AP course offered at Pisgah. Students must have a signature from a Pisgah teacher before signing up for one of these courses.

**Course Numbers for these courses will be announced later.**

**German I**

**German II**

**Latin I**

**Latin II**

**Mandarin Chinese Language and Culture I**

**Mandarin Chinese Language and Culture II**

**Medieval Studies**

**Psychology Honors**

**Russian I**

**Russian II**

## **AP Year-long Course Online**

**AP PSYCHOLOGY (NC Virtual High School)  
ONLINE- 40804**

Credit: 1 unit

Prerequisites: Grade of “B” or higher in US History, teacher recommendation and lead teacher recommendation.

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 psychologist to wonder about the behavior and thinking of humans, and the more science-based knowledge allows us to test our hypotheses.

**AP EUROPEAN HISTORY (NC Virtual High School) ONLINE- 40234**

Credit: 1 unit

Prerequisites: Grade of “B” or higher in US History, teacher and lead teacher recommendation. Students are required to take the exam. Failure to do so will result in an F.

Advanced Placement European History is a college level history course that requires students to develop mastery over the assigned content while developing the ability to practice the skills of a historian. Students will learn to develop their critical thinking skills by analyzing and interpreting both primary documents and writings by respected historians.

**AP HUMAN GEOGRAPHY (NC Virtual High School) ONLINE- 40324**

Credit: 1 unit

Prerequisites: Grade of “B” or higher in US History, teacher and lead teacher recommendation. Students are required to take the exam. Failure to do so will result in an F.

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 STATISTICS (NC Virtual High School)  
ONLINE- 20664**

Credit: 1 unit

Co- Requisite: AP Calculus

Students are required to take the exam. Failure to do so will result in an F.

The AP Statistics course is an excellent option for any student who has successfully completed a second-year course in algebra, regardless of the student’s intended college major. Since second-year algebra is the prerequisite course, AP Statistics will usually be taken in either the junior or senior year. The topics for AP Statistics are divided into four major themes: exploratory analysis, planning a study, probability, and statistical inference.

**AP WORLD HISTORY (NC Virtual High School)  
ONLINE- 40244**

Credit: 1 unit fall semester and 1 unit spring semester

Prerequisites: Grade of “B” or higher in US History, teacher and lead teacher recommendation. Students are required to take the exam. Failure to do so will result in an F.

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.

**ACT/SAT PREP – (ONLINE) – 9510Q**

**This is the ONLY online course available to juniors**

Credit: 1 unit Fall – Seniors Spring – Juniors

Prerequisite: Completion of, or currently enrolled in Algebra II, minimum PSAT score required.

This course is to provide math and verbal strategies and practices to help students understand the nature of standardized tests like the SAT and ACT, and score well on these tests. In recent years, students enrolled in this course have achieved an average increase of 150 points in their SAT performance.

## **DETERMINING ATHLETIC ELIGIBILITY NCHSAA**

1. 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.

