Our Mission is to support parents and guardians in their Biblical responsibility to nurture and train their children. Thus, the Academy provides opportunities that allow students to realize their God-given potential and to live lives that glorify God in the spiritual, academic, social, physical, and vocational realms.
SUMMARY SHEET FOR
2009 – 2010
COURSE OFFERINGS

REQUIRED COURSES:

<table>
<thead>
<tr>
<th>8TH GRADE</th>
<th>9TH GRADE</th>
<th>10TH GRADE</th>
<th>11TH GRADE</th>
<th>12TH GRADE</th>
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<td>Bible</td>
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<td>Health/PE</td>
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<td>Health/PE/DE</td>
<td>US/V/A History</td>
<td>Government</td>
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<td>Math</td>
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<td>Physical Science</td>
<td>Earth Science</td>
<td>Biology I</td>
<td>Science*</td>
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<tr>
<td>World History I</td>
<td>Elective</td>
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*1 math or science in JR or SR year

DIPLOMA REQUIREMENTS

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<thead>
<tr>
<th>STANDARD DIPLOMA (26 CREDITS)</th>
<th>ADVANCED DIPLOMA (28 CREDITS)</th>
<th>NCAA ELIGIBILITY REQUIREMENTS</th>
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<tr>
<td>BIBLE 4</td>
<td>BIBLE 4</td>
<td>□ 4 YEARS OF ENGLISH</td>
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<td>ENGLISH 4</td>
<td>ENGLISH 4</td>
<td>□ 3 YEARS OF MATH (ALGEBRA I or HIGHER)</td>
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<tr>
<td>HISTORY 3</td>
<td>HISTORY 4</td>
<td>□ 2 YEARS NATURAL/PHYSICAL SCIENCE (one must be a LAB)</td>
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<td>SCIENCE 3</td>
<td>SCIENCE 4</td>
<td>□ 1 YEAR OF ADDITIONAL ENGLISH, MATH, OR SCIENCE</td>
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<tr>
<td>MATH 3</td>
<td>MATH (ALG I + 3 ABOVE) 4</td>
<td>□ 2 YEARS OF SOCIAL STUDIES</td>
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<tr>
<td>HEALTH/PE 2</td>
<td>HEALTH/PE 2</td>
<td>□ 4 YEARS OF ADDITIONAL CORE COURSES (from list above or from foreign language, and/or non-doctrinal religion or philosophy)</td>
</tr>
<tr>
<td>ARTS 1</td>
<td>FOREIGN LANGUAGE** 3</td>
<td>16 CORE COURSES FOR NCAA DIVISION I PROGRAMS</td>
</tr>
<tr>
<td>ELECTIVES 6</td>
<td>ARTS 1</td>
<td>14 CORE COURSES FOR NCAA DIVISION II PROGRAMS</td>
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<td>ELECTIVES 2</td>
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<tr>
<td>26 CREDITS</td>
<td>28 CREDITS</td>
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* 1 BIBLE CREDIT FOR EACH YEAR AT LCA
** 3 CREDITS IN ONE LANGUAGE OR 4 CREDITS IN TWO LANGUAGES

All rising 9th and 12th graders, with at least one parent or guardian, must schedule an appointment with a guidance counselor. The meeting with the rising freshman will discuss the type of diploma and the four year course selection necessary to graduate from Liberty Christian Academy. The meeting with the rising seniors is to ensure graduation criteria have been met and to impart important senior information. Please call the Guidance Office at 832-2026 or email vahousman@liberty.edu as soon as possible to schedule an appointment. (The meeting will last approximately 30 minutes.)

ELECTIVE COURSES

Electives are available to all students unless otherwise noted. The grade level and any prerequisites are indicated following the course title. Students will be allowed to take only one physical education course for credit per year. If an elective course does not meet minimum enrollment numbers, it will not be offered.

All students must take one full credit in Applied Arts or Fine Arts to satisfy graduation requirements.

Lab fees are required for some elective courses. Fees will be noted in the course description where applicable. Lab fees for a one semester course are added to one billing statement and must be paid in its entirety with that month’s payment. Lab fees for full year courses will be assessed in the first semester.
TECHNOLOGY REQUIREMENTS FOR GRADUATION:

- Technology requirements beginning with the class of 2014 and every subsequent class beyond that year include the year-long course Keyboarding and Information Processing. Anyone who is a member of that class (rising 7th graders) or who transfers into the class of 2014 and beyond are required to pass the Keyboarding and Information Processing course as a graduation requirement.

LIBERTY CHRISTIAN ACADEMY HONORS PROGRAM (8th – 12th GRADE):

DUAL ENROLLMENT / HONORS ENGLISH

Honors English courses are offered in Grades 8-11, while college level, dual enrollment English is offered in Grade 12. Students must apply for and meet the basic entry criteria listed below. Students who meet the full entrance criteria will be notified by mail of their acceptance into the honors program.

- A minimum overall average of 90% in regular English through the first three quarters of the current school year.
- Written recommendation by the current English teacher based upon the student’s interest and proficiency in reading, writing as demonstrated on the Writing Skills Assessment Test, and his/her desire to work in an academically challenging environment as demonstrated by overall attitude and behavior.
- Standardized achievement test scores of the 80th percentile or higher in areas relating to English and reading or PSAT verbal and writing scores of 53 or higher or SAT critical reading scores of 530 or ACT reading score of 28.
- Transfer students will be assessed using the same criteria as current students.

HONORS ENGLISH CONTINUATION REQUIREMENTS:

- A minimum overall average of 85% in dual enrollment/honors English must be maintained in order to qualify for re-admission in the spring.
- Satisfactorily completing the requirements for continuation during Honors 11 is prerequisite for entrance into the College Dual Enrollment.
- Students must reapply each spring for admission into honors English for the following year. Requirements for re-admission are identical to initial admission requirements.
- A minimum overall average of 85% in Advanced Honors English 12 must be maintained for the continuation of the course. College credit in the Advance Honors English course is only granted if a minimum average of 85% is earned per semester.
DUAL ENROLLMENT SOCIAL SCIENCE

College level, dual enrollment United States History is a full year course offered in 12th grade. The dual enrollment United States History course is designed to challenge academically-oriented students with college level course work. Students will learn to assess historical materials for relevance, reliability, and importance and be able to use this information to present conclusions and evidence clearly and persuasively in essay format. In order to be eligible for admission to this course, students must meet the following criteria.

- A minimum overall average of 90% in World History and US/VA History.
- Written recommendation from the current history teacher based upon the student's interest and proficiency in reading, writing, and his/her desire to work in an academically challenging environment as demonstrated by overall attitude and behavior.
- A minimum verbal score of 53 on the PSAT.
- Official confirmation of entrance requirements must be received for all transfer students.
- A minimum overall average of 85% in Advanced Honors US History must be maintained for the continuation of the course. College credit in the Advance Honor US History course is only granted if a minimum average of 85% is earned per semester.

HONORS MATHEMATICS

In order to be eligible for math honors courses, an application must be completed and the students must meet the following criteria.

- **See specific courses descriptions for course prerequisites.** Students with *both* a 90% or above in their current class and who have achieved a score of 85% or higher on their most recent Quarterly Assessment may take an honors level math course.
- All students taking honors level courses do so with the understanding that they are on probation; 85% average must be maintained in order to remain in the course.
- Honors math students are expected to do more challenging work at a more demanding pace than regular math students and find it harder to earn high grades.

HONORS SCIENCE

In order to be eligible for science honors courses, students must meet the following criteria.

Students taking Honors Chemistry or Physics must have the following:
- A minimum 90% average in the previous science course
- Must have completed or be enrolled in Algebra II

Students taking Human Anatomy and Physiology must have the following:
- A minimum 90% average in Biology and a 90% in Chemistry or 85% in Honors Chemistry.
LIBERTY UNIVERSITY SENIOR HONORS PROGRAM

The Senior Honors Program allows qualifying seniors to attend one course each semester at Liberty University for college credit. Qualifying seniors are encouraged to enroll if they meet the following requirements:

- The student must be a rising senior at LCA and must have attended LCA for at least one full year.
- The senior must have maintained a cumulative minimum average of 90% for the three previous high school years (grades 9-11).
- The senior must satisfy additional approval requirements established by the Senior Honors Program Acceptance Committee. These requirements include the following: standardized test scores, ability of abstract thinking, academic commitment, school attendance, and have a satisfactory standing with regard to discipline records.
- Student must have a teacher recommendation and parental approval.

FOREIGN LANGUAGE

To enter the first level of foreign language instruction, the following criteria must be met.

EIGHTH GRADE

- An eighth grade student must have earned at least an 85% in the previous year’s English course.
- A minimum 7th stanine score on the language section of the previous year’s Stanford Achievement Test.

HIGH SCHOOL

- A high school student must have earned at least a 77% in the previous year’s English course.
- A minimum 5th stanine score on the language section of the previous year’s Stanford Achievement Test.
- A student must have earned a grade of 77% in the previous level.
**English 9 - Introduction to Literature** (1 Credit) Full year
As an introduction to literature, English 9 studies the full range of literary genres and the elements within each genre. Literature pieces selected as representative of the genres are selected from world, American, and English literary masterpieces and include such authors as Mark Twain, Gabriel Garcia Marquez, Guy de Maupassant, Anton Chekov, William Shakespeare, Tennyson, Homer, Whitman, and Charles Dickens. Grammar and vocabulary will also be studied as well as research and writing. **This is a required course for graduation.**

**Honors English 9 - Introduction to Literature** (1 Credit) Full year elective - 85% average must be maintained **first semester in order to remain in the class Application Required**
This course covers the same literature as regular English 9, but teachers expect greater proficiency in grammar, assign more vocabulary and classes complete more reading and research projects than regular classes. Summer reading and writing assignments are required, and several independent reading projects from an advanced list are assigned throughout the year. In general, honors English students are expected to do more work than regular English students but find it harder to earn high grades.

**English 10 - World Literature** (1 Credit) Full year
This course undertakes the study of the literature of the ancient civilizations (Hebrew, Greek, Roman, etc.) and European literature during the Middle Ages, the Renaissance, The Age of Rationalism, the Romantics and Realists, and the literature of the Modern world. Grammar and vocabulary will also be studied as well as research and writing. **This is a required course for graduation.**

**Honors English 10 - World Literature** (1 Credit) Full year elective - 85% average must be maintained **first semester in order to remain in the class Application Required**
This course covers the same literature of the world as regular English 10, but teachers expect greater proficiency in grammar, assign more vocabulary and classes complete more reading and research projects than regular classes. Summer reading and writing assignments are required, and several independent reading projects from an advanced list are assigned throughout the year. In general, honors English students are expected to do more work than regular English students but find it harder to earn high grades.

**English 11 - American Literature** (1 Credit) Full year
This course traces the development of a distinctively American literature including the oral tradition of the Native Americans, the historical documents of the colonial era, and the rhetorical literature of the Revolution. In addition, the Romantic, the Transcendentalist, Realism and Modernism Movements will be studied. Major American authors representative of each era or movement will be studied. Some of these include the following: Thomas Jefferson, Washington Irving, Edgar Allen Poe, Emerson, Longfellow, Whitman, Mark Twain, Robert Frost, Emily Dickinson, and many others in fiction, poetry, and nonfiction. Grammar and vocabulary will also be studied as well as research and writing. **This is a required course for graduation.**
Honors English 11 - American Literature (1 Credit) Full year elective - 85% average must be maintained first semester in order to remain in the class Application Required
This course covers the same literature of America as regular English 11, but teachers expect greater proficiency in grammar, assign more vocabulary and classes complete more reading and research projects than regular classes. Summer reading and writing assignments are required, and several independent reading projects from an advanced list are assigned throughout the year. In general, honors English students are expected to do more work than regular English students but find it harder to earn high grades.

English 12 - British Literature (1 Credit) Full year
This course provides the student with a broad overview of British Literature from the Anglo-Saxon, Medieval, and the Renaissance periods through the Modern. Seniors will take on the challenge of the British masters including Chaucer, Shakespeare, Milton, Dickens, and many others. Uniting the study of various genres will be extensive writing activities as well as vocabulary, grammar, and research. This is a required course for graduation.

Advanced Honors English 12 (College English 101/102) (1 High School and 6 College Credit Hours) Full year elective - 85% average must be maintained first semester in order to remain in the class Application Required
Advanced Honors English requires a minimum of five writing projects in the rhetorical/expository modes, two diagnostic themes, and a research paper (a total of at least three thousand words), as well as a review of selected areas of grammar, usage, punctuation, sentence structure, and paragraph development. The course emphasizes close reading of textual materials, thinking through topics, organizing thoughts according to selected rhetorical plans, revising outlines and drafts, and careful editing. Advanced Honors English will also require five analytical papers based upon studies of the short story, poetry, and drama, and a literary research paper. Advanced Honors English students are expected to do more work than regular English students but find it harder to earn high grades.

Grammar and Composition (1 Credit) Full year elective (9-12); No prerequisite
Grammar and Composition is a course designed to provide a solid foundation in grammar (including the 8 major parts of speech) mechanics, punctuation, and composition of varied sentences, strong paragraphs, and expository writing, with an emphasis on strong organization, style, and diction. Successful completion of the Grammar and Composition course will enable the student to be successful in future English and other academic classes.
Enrollment in this course is by recommendation of the Administration, Guidance Office or Department Chair only.

Journalism (1 Credit) Full year elective (9-12); Prerequisite: Minimum 77% average in Keyboarding & Information Processing, and approval from the teacher or department chair.
Students entering this course are expected to be proficient in word processing and should be able to key a minimum of 35-40 words per minute using proper keying techniques. During the first semester, this course introduces the fundamentals of journalism and desktop publishing. In the second semester, students continue developing their skills as a journalist while writing, editing, and publishing the LCA school newspaper. This course may require after school attendance.
**Advanced Journalism** (1 Credit) Full year elective (10-12); Prerequisite: Journalism and permission from the teacher or department chairman. Students enrolled in this course provide the student leadership necessary to produce the LCA school newspaper. They will continue to develop their skills and talents as journalists while helping Journalism students to develop their skills and talents. This course challenges journalism students with more advanced editing and design techniques as they produce the LCA school newspaper. Transfer students with journalism, newspaper, and/or yearbook experience may be considered. *This course may require after school attendance.*

**Creative Writing** (1 Credit) Full year elective (11-12); No prerequisite
Creative writing will be a seminar course which combines the exploration of various genres of imaginative literature (poetry, short fiction, narrative non-fiction, and drama). This course will include lectures, discussions, and workshops providing students the opportunity to develop, write, edit, present, and critique their own and classmates’ original works. As a culminating project, the student will edit and revise their favorite work in each genre and submit it for publication.

**FOREIGN LANGUAGE**

**Spanish I** (1 Credit) Full year elective (8-12); Prerequisite: (85% or higher for 8th grader in previous English), (9th-12th) 77% or higher in previous English
This level introduces the student to basic Spanish vocabulary and syntax. Emphasis is placed on pronunciation, reading comprehension, writing skills, and the study of Spain and Hispanic culture. Present, preterit and present progressive verb tenses are included. (Future time expressions are also included).

**Spanish II** (1 Credit) Full year elective (9-12); Prerequisite: 77% or higher in Spanish I
The student will build upon language skills introduced in Spanish I. Written and oral communication are developed and enhanced with new vocabulary. Main verb tenses will be taught and include future, present perfect, preterit, imperfect, present progressive, past progressive and subjunctive (past, present and future passive voice). Cultural emphasis is on Latin America and the Caribbean.

**Spanish III** (1 Credit) Full year elective (11-12); Prerequisite: 77% or higher in Spanish II
Spanish III continues to build upon language skills presented in Spanish I and Spanish II. Emphasis is placed on more complex syntax and reading selections and literature. Emphasis is placed on everyday life in Latin America. Extensive writing examples and oral presentation are focused. Continued work will be done on verb tenses.

**French I** (1 Credit) Full year elective (8-12); Prerequisite: (85% or higher for 8th grader in previous English), (9th-12th) 77% or higher in previous English
This level introduces the student to basic French vocabulary and syntax. Students will be able to engage in conversations in French at a novice level, understand written and spoken language on a variety of topics, and present information and ideas to an audience of listeners or speakers. Students will also be able to develop an awareness of French-speaking cultures in Europe, Africa and North America. Students will become life-long learners by using French for personal enjoyment and enrichment. Course will be taught in accordance with the Standards for Foreign Language Learning as set forth by ACTFL (American Council on the Teaching of Foreign Languages).
**Latin I** (1 Credit) Full year elective (8-12); Prerequisite: (85% or higher for 8th grader in previous English), (9th-12th) 77% or higher in previous English
This level provides the foundation for understanding Latin and the basis for learning any foreign language. Students enlarge their vocabulary, refine their grammar in English, and learn about the origins of many of our traditions.

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**MATHEMATICS**

**Algebra IA** (1 Credit) Full year (9-12); Prerequisite: Pre-Algebra
The course will cover the content of the first semester of the regular Algebra I course. Emphasis will be placed on the mastery of problem-solving, equalities, equation writing, linear equations, polynomials, systems of equations and inequalities. Basic computation skills will focus on the areas of fractions, decimals, and percentages.

**Enrollment in this course is by recommendation of the Administration, Guidance Office or Department Chair only.**

**Algebra IB** (1 Credit) Full year (9-12); Prerequisite: Algebra IA
The course is a continuation of Algebra IA. Material from the second semester of the regular Algebra I course will be taught. Concepts to be taught are polynomials, factoring, operations with rational expressions, complex fractions, and advanced problem-solving.

**Enrollment in this course is by recommendation of the Administration, Guidance Office or Department Chair only.**

**Algebra I** (1 Credit) Full year (8-10); Prerequisite: (8th) Minimum 85% average in Pre-Algebra 7; 85% Quarterly Assessment; 80% Stanford Math and teacher recommendation. (9th-10th) 80% in Pre-Algebra and teacher recommendation

**First semester** - Problem-solving, equalities, equation writing, linear equations, graphing, systems of equations and inequalities

**Second Semester** - Polynomials, factoring, operations with rational expressions, complex fractions, and advanced problem-solving

**Algebra II*** (1 Credit) Full year elective (10-12); Prerequisite: Completion of Geometry, minimum 77% average in Algebra I, recommendation of the Math Department Chairman

**First semester** - Use of real numbers in the solution of inequalities and equalities, graphing of linear equations, absolute value equations, and parabolic equations

**Second semester** - Quadratic equations and complex number system, polynomials and factoring, rational expressions, radical expressions, probability and sequences/series

**Algebra II Honors*** (1 Credit) Full year elective (10-12); Prerequisite: 90% or higher final average in each Algebra I and Geometry; 85% or higher on most recent Quarterly Assessment in Algebra I and Geometry, and recommendation of current teacher. **Application Required**

**First Semester** - Use of real numbers in the solution of inequalities and equalities; graphing linear, absolute value and parabolic equations; quadratic equations and complex number system

**Second Semester** - Polynomials and factoring, rational expressions, radical expressions, probability and sequence/series, trigonometry
**Informal Geometry** (1 Credit) Full year elective (9-12); Prerequisite: Algebra I and teacher recommendation.
This course is designed to provide a thorough introduction to the fundamentals of geometry, but it is less rigorous than regular geometry while still providing preparation and earning a high school credit. Emphasis will be placed on the application of postulates, theorems, and corollaries in problem-solving. Students will not be required to formulate and construct proofs. **Enrollment in this course is by recommendation of the Administration, Guidance Office or Department Chair only.**

**Geometry** (1 Credit) Full year elective (9-12); Prerequisite: Minimum 77% average or higher in Algebra I and teacher recommendation.
First Semester - Points, lines, planes, angles, parallel lines, congruence and similarity of polygons, triangle inequalities, reasoning-inductive and deductive and loci
Second Semester - Proofs, right triangles, trigonometric rations, circles, constructions, area, and volume of solids

**Advanced Mathematics** (1 Credit) Full year elective (11-12); Prerequisites: 90% or higher average in Algebra II or 85% or higher in Honors Algebra II; 85% or higher on the most recent Quarterly Assessment and a teacher recommendation, transfer students must take an assessment test. **Application Required.**
First semester - Review of coordinate geometry, families of graphs-parabolic, absolute value, greatest integer, rational, square root functions, solving quadratic equations and inequalities, systems of linear equations, and the study of matrices
Second semester - A complete study of trigonometry to include the basic ratios, identities, solving triangles, area of triangles, inverses of trigonometric functions, polar coordinate system and complex polar numbers, and the study of the conic sections

**Calculus** (1 Credit) Full year elective (12); Prerequisites: 85% or higher average in Advanced Mathematics; 85% or higher on the most recent Quarterly Assessment and a teacher recommendation, transfer students must take an assessment test. **Application Required.**
The course will explore differential and integral calculus theorems for polynomial, exponential, logarithmic, and trigonometric functions. A review of limits and trigonometric principles will precede the study of functions.

*A third Math course is required for graduation, and a Math course must be taken during the JR or SR year.*

**SCIENCE**

**Earth Science** (1 Credit) Full year (9); No prerequisite
This course includes a general study of meteorology, geology, astronomy, and oceanography. Everything will be taught from a Christian perspective with an emphasis on the Genesis account of Creation. **This course is a requirement for graduation.**

**Biology I** (1 Credit) Full year (10); No prerequisite
This course includes a study of the general principles of living organisms including a study of the cell, genetics, and each of the phyla in the five kingdoms. The entire course is taught from a Creation perspective. **This course is a requirement for graduation.**
General Chemistry* ($30 lab fee) (1 Credit) Full year elective (11-12); Prerequisites: Biology and Algebra I or IA & IB
This course is designed for students that do not meet the prerequisites for Chemistry. This course can be taken for a science credit towards graduation but does not meet requirements as a prerequisite for Human Anatomy and Physiology.
First Semester - Basics of chemistry such as measurements and terms. Discussion of how medicines, cleaners, cosmetics, and the environment affect our daily lives
Second Semester - Basic principles of physics are taught with lessons on the practical application of motion, work, simple machines and electricity
Enrollment in this course is by recommendation of the Administration, Guidance Office or Department Chair only.

Chemistry* ($30 lab fee) (1 Credit) Full year elective (11-12); Prerequisites: Biology I and have finished Algebra II or be enrolled in Algebra II.
First Semester - General study of matter, an in-depth study of the atom, and writing formulas for compounds
Second Semester - Study of special compounds such as: gases, acids, bases, organic compounds, and those involved in nuclear reactions. There is a major emphasis on writing equations and solving problems. The design and order of God in the creation and sustaining of the universe is emphasized

Honors Chemistry* ($30 lab fee) (1 Credit) Full year elective (11-12); Prerequisites: Biology I and have finished Algebra II or be enrolled in Algebra II. Must have 90% or better in Biology I and Algebra I. Application Required
First Semester - After a quick review of the general principles of chemistry and the atom, an emphasis is placed on the writing of inorganic and organic compounds and placing them in balanced equations
Second Semester - Major units include stoichiometry, organic chemistry, titrations, and nuclear chemistry

Physics* ($30 lab fee) (1 Credit) Honors Level, Full year elective (11-12); Prerequisites: Biology, Algebra II or Physics teacher approval; Application Required
First Semester - Physics begins with a study of the basic motion formulas and the graphs that are associated with them. Lessons on vectors and the properties of moving objects are included
Second Semester - Principles are applied to the exact types of energy including waves of light and sound, electricity, and nuclear reactions. Emphasis is placed on the fact that God controls all the forces and directs their expression

Human Anatomy and Physiology* ($30 lab fee) (1 Credit) Honors Level, Full year elective (11-12) Prerequisites: Biology I and Chemistry, 90% average in both classes, or 85% in Honors Chemistry, Application Required
This course will include a survey of ecology, human anatomy, and physiology with an emphasis on current scientific topics. In the area of ecology, main principles will be taught with an emphasis on the Christian’s responsibility towards God’s creation. The beliefs of the New Age movement and its relationship to environmental issues will also be discussed. In the area of anatomy and physiology, emphasis will be on the study of Man as a unique creation of God. Emphasis will be placed on a Christian’s responsibility to understand social, ethical, and moral concerns that relate to new scientific research.
Environmental Science* ($30 lab fee) (1 Credit) Full year elective (11-12); Prerequisite: Biology
This course introduces students to advanced principles and concepts of Environmental Science. It provides a broad understanding of the ecological relations and processes on the lands, in the oceans and fresh waters, and the air. The impacts of global and local environmental changes, human intervention, and effects of pollutants on various ecological units will also be examined.

*A third Science course is required for graduation, and a Science course must be taken during the JR or SR year.

SOCIAL SCIENCE

World History I (1 Credit) Full year (8-9)
This course is a study of early civilizations from prehistory to the fall of Rome. Emphasis will be placed on the analysis of primary and secondary sources in developing an understanding of the people, cultures, and governments of ancient civilizations.

World History II (1 Credit) Full year (10)
This course is a survey of world history and the cultures of the world from the Renaissance to the present, with an emphasis on the Modern Era. The course will include the Renaissance, the Reformation, colonial expansion, World War I and II, and other major events of the Twentieth Century. Other ideas explored will include revolutionary, nationalistic movements and ideologies and other events and ideas that are shaping the world today. *This is a required course for graduation.*

United States/Virginia History (1 Credit) Full year (11)
Students will examine the historical development of American ideas and institutions from the colonial era to the present using a biblical perspective. The course includes a survey of American culture, major issues, people and events that have shaped our nation. *This is a required course for graduation.*

Government (1 Credit) Full year; (12) Prerequisite: World History, US/VA History. This course is a study of the American Political process from the organization of local and state governments to constitutional framework of the federal system. Emphasis will be placed on the analysis of political parties, powers and functions of the Legislative, Executive and Judicial branches, and the role of citizens in an ever-changing global society. *This is a required course for graduation.*

Advanced Honors U.S. History (College History 221/222) (1 High School and 6 College Credit Hours) Full year elective (12) *Does not take the place of US/ VA History or Government Application Required*
This course presents a political, social, and economic study of the development of the American democratic tradition in the context of a Christian world view. It offers differing interpretations and schools of thought about American history. It challenges students to develop a historic consciousness to encourage responsible citizenship. This course will encourage university level competencies in writing, reading, and analytical thinking.
**Psychology** (1 Credit) Full year elective (11-12); No prerequisites
This course is designed as an introduction to psychology from a biblical viewpoint. Students will understand the basic function, history, and approaches of psychology and the integration of biblical concepts. The students will develop a basic foundational knowledge of human growth and development, foundational leaders both in secular and Christian realm, introduction to personal and group counseling, and tools on how to build basic psychological foundation based on biblical truths.

**Basic Economics** (½ Credit) One semester elective (10-12); No prerequisite.
Students will learn to view the economy of the United States from a Christian perspective. Foundational principles such as “Everything Has to Be Worked For,” serve as an introduction into how capitalism has thrived in our country. The course is taught in historical context with a focus on how supply and demand drives the market and determines the prices of products. Production, consumption, competition, the functions of money, and the role of the Federal Reserve are also discussed. The course concludes with a look at the global economy to discover how Americans interact financially with citizens and companies of other countries

**Advanced Economics** (½ Credit) One semester elective (11-12); Prerequisite: 80% average or higher in Basic Economics
Students in this class explore the Ten Principles of Economics and then expand their knowledge of the economy through application of those principles. Students learn to mathematically prove how trade makes everyone better off; graph supply and demand curves to discover how prices are determined in a market economy; and use elasticity formulas to predict how consumers will respond to a change in price. In addition, the role of taxation and price controls are introduced to gain an appreciation of how they often hurt the people they are intended to help. The daily discussion topics in this class are current and fascinating, yet very challenging

**BIBLE**

**Bible 9 - Old Testament Survey** (1 Credit) Full year; No prerequisite
This course will cover a general survey of the Old Testament. The survey of the Old Testament includes authorship, date, historical chronology, and key themes of each book. Practical applications will also be drawn from key figures in each book. This course is required for graduation.

**Bible 10 - New Testament Survey** (1 Credit) Full year; No prerequisite
This course will cover a general survey of the New Testament. The survey of the New Testament includes authorship, date, historical chronology, and key themes of each book. Practical applications will also be drawn from key figures in each book. This course is required for graduation.

**Bible 11** (1 Credit) Full year; No prerequisite
This course will cover the basic principles that are required in order to formulate a Biblical worldview. Emphasis will be placed upon the relationship between behavioral freedom, Biblical ethics, and a Christian’s responsibility to understand social, ethical, and moral concerns. This course is required for graduation.
**Bible 12** (1 Credit) Full year; No prerequisite
This course will include a survey of the book of *James, The Life of Christ, Preparation for Marriage and Family,* and *Cults.* This course is required for graduation.

**Introduction to Bible** (1 Credit) Full year elective (9-11); No prerequisite
This course is designed to familiarize students with basic Biblical doctrines. This course will be beneficial to new students desiring to develop a better understanding of basic principles taught in Scripture. Enrollment in this course is by recommendation of the Administration, Guidance Office or Teacher only.

**Missions / Evangelism** (1 Credit) Full year elective (11-12)
Christians need to be taught Christ’s mandate to evangelize. This course will not only prepare students with the Biblical rationale for evangelism, but will also provide them with the verses needed to evangelize. Students would be required to share their faith in a number of settings outside of school. (This course cannot be used as a substitute for Bible 11 or 12.)

**Today’s Young Woman** (½ Credit) One semester elective (9-12) No prerequisite.
This course is designed to prepare, enrich and challenge today’s teenage ladies to be victorious in life’s greatest challenges that our young women face today. This course will cover subject matter such as personal relationships, ethical standards/choices, purity, spiritual depth, vanity, addictions, stewardship, self-concept, and home management, the proverbial woman and techniques for proper Bible application to life’s challenges. Every young lady will be challenged to make life-changing commitments so that they are prepared – armed and ready – to face God’s calling in their life.

### PHYSICAL EDUCATION

**9th Grade Health and Physical Education** (1 Credit) Full year
Classes will rotate on a 9 week basis in order to maintain a consistency in both the Health and PE curriculum. Health builds upon topics that are important to the growing teenager—eating disorders, suicide, maturity, dating, abstinence, sexually transmitted diseases, and communicable and non-communicable diseases. Physical Education builds upon the basics of the team sports introduced in the lower grades and begins to teach higher level skills in each. This is a required course for graduation.

**10th Grade Health and Physical Education / Driver’s Ed** (1 Credit) Full year
Classes will rotate on a 9 week basis in order to maintain a consistency in both the Health and PE curriculum.

*First Semester* - Health is dedicated to Driver’s Education. The 36 hour required in-class course is taught, and students who pass with a 77% are certified by the state to take “Behind the Wheel” as an extracurricular course at LCA or at another approved school.

*Second Semester* - Health curriculum focuses on First Aid. American Red Cross materials are utilized, and students have the opportunity to become certified in Standard First Aid and Adult, Child, and Infant CPR at the conclusion of the course.

Physical education focuses on the transition between the team sport concept and activities that can be integrated for a lifetime. This is a required course for graduation.
**Driver’s Education – Behind the Wheel Training**  (Lab fee) (No Credit) (10-12)

The behind the wheel training portion of driver education is available to students who have a current VA Learner’s Permit and have successfully completed the 36 hour in-class portion with a minimum grade of 77%. There is a fee associated with this training. Registration information is available through the Guidance Department.

**Sports Medicine / Athletic Training I** ($40.00 lab fee) (½ Credit) One semester elective (11-12); Prerequisites: 80% or higher in each First Aid and Biology I and approval from the Department Chair.

This course is designed to provide high school students with the basic knowledge to recognize, prevent, and rehabilitate sports injuries. The course teaches techniques, concepts, and procedures proven to be effective in the management of athletic injuries. This course in no way prepares a young person to make medical decisions but rather introduces him/her to the field of Sports Medicine. Hands on injury prevention and rehabilitation techniques, such as taping, bracing, and wrapping will be taught in the training room/lab setting. They do not, however, embody the majority of techniques available in the growing field of Sports Medicine.

**Sports Medicine / Athletic Training II** ($40.00 Lab fee) (½ credit) One Semester elective (11-12); Prerequisites: Sports Medicine / Athletic Training I, must have a minimum of an 85% and approval from the Department Chair.

This course is designed to build on the information the students learned in the Sports Medicine / Athletic Training I class. The students will learn a more hands and in depth approach to the techniques, concepts, and rehab procedures that have been proven effective in managing sports injuries. Injury prevention, Injury assessment, Rehabilitation treatments, and real life situations will be taught in an On Site/Lab setting. Students will also be required to accumulate 20 hours of observation/field experience throughout the semester they are enrolled in the class.

**Advanced Physical Education** (1 Credit) Full year elective (12) (11 if space is available); Prerequisite: 85% average in 10th grade physical education.

This course is designed for students who have a desire to learn lifetime sports and activities. The course emphasis is on individual and dual sports such as bowling, tennis, golf, ping-pong, paddleball, badminton, and others. Units of study may vary each year based on the availability of local facilities.

**FINE ARTS**

**ART**

**Art Foundations** ($50 lab fee and a limited list of art supplies to be purchased by the student) (1 Credit) Full year elective (9-12); No prerequisite

This course serves as a foundation for learning about visual elements including line, shape, color, perspective, value, texture, space and movement as well as design and art criticism. Students will learn introductory techniques in watercolor, acrylic painting, sculpture, mixed media as well as developing drawing skills.
**Art Expressions** ($50 lab fee and a limited list of art supplies to be purchased by the student) (1 Credit) Full year elective (11-12); Prerequisite: Art Foundations or approval by art instructor based on art portfolio and/or written permission. A greater emphasis on skill and individual expression will result in more advanced projects in various art movements. An in-depth historical context will inspire projects in drawing and painting, sculpture, and mixed media.

**Drawing & Painting I** ($50 lab fee and a limited list of art supplies to be purchased by the student) (½ Credit) One semester elective (9-12); Prerequisite: Art Foundations or approval by art instructor based on art portfolio and/or written permission. Students will explore a variety of drawing techniques using graphite, charcoal, ink, and colored pencil. In addition to drawing, this class will work in pastel, acrylic, and watercolor processes. Inspiration for the drawings, paintings, and prints will be from the artwork of artists of the 19th century.

**Drawing & Painting II** ($50 lab fee and a limited list of art supplies to be purchased by the student) (½ Credit) One semester elective (9-12); Prerequisite: Art Foundations or approval by art instructor based on art portfolio and/or written permission. Skills introduced in Drawing and Painting I will now be combined to create interesting and unique mixed media art pieces. Students will be introduced to oil painting as they explore art and artists of the 20th and 21st century. Collage and painted paper will be combined with acrylic paint; drawing and painting will be combined in layered compositions.

**Art Discoveries in Sculpture** ($50 lab fee and a limited list of art supplies to be purchased by the student) (½ Credit) One semester elective (9-12); Prerequisite: Art Foundations or approval by art instructor based on art portfolio and/or written permission. Course will focus on three dimensional art in a variety of media with a major emphasis on clay hand building and potter’s wheel work. Students will explore wire, paper, and wood as materials to create three dimensional art. Sculpture in art history will inspire art pieces.

**Art Explorations** ($50 lab fee and a limited list of art supplies to be purchased by the student) (½ Credit) One semester elective (9-12) Prerequisite: Art Foundations or approval by art instructor based on art portfolio and/or written permission. Arts and crafts of all kinds come together as the class explores a variety of art processes and techniques. These processes may include batiking, metal tooling, fiber arts and weaving, glass painting and glass mosaics, printmaking and bookmaking.

**MUSIC**

Band classes at the high school level are performance oriented and require the recommendation of the instructor for admission. Participation in performances and rehearsals outside school hours are required. Students will be recommended for the most appropriate program. Marching Band is an after-school activity that begins one month before school starts and continues through the fall session. It is extra curricular and carries no academic credit. Marching band may be activated periodically in the spring and summer. Concerts are performed during the winter and spring. Although all band students are encouraged to perform in the Marching Band, it is not an absolute requirement. Non-band students are also eligible to try out for the Marching Band as either musicians or flag and rifle corps members.

Choir classes at the high school include both introductory and performance oriented programs. All require placement by or recommendation of the instructor. Both the Choir and the Concert Choir require participation in performances and rehearsals during and outside school hours.
**Concert Band** ($40 maintenance fee for use of school owned instruments) (1 Credit) Full year elective (9-12); Prerequisites: Director’s Recommendation
This course is intended to meet the needs of the younger instrumentalist. Topics include developing competency in sight-reading, dynamics, rhythm interpretation, balance, and intonation. Students will refine the skills they have developed in their previous band courses.

**Symphonic Band** ($40 maintenance fee for use of school owned instruments) (1 Credit) Full year elective (9-12); Prerequisites: Director’s Approval
Content includes the development of individual competency in sight reading, dynamics, rhythmic interpretation, intonation, and the concepts of ensemble performance. This band is intended to meet the needs of the advanced instrumentalist. Students will refine the skills they have developed in Concert Band.

**Choir** (1 Credit) Full year elective (9-12); No prerequisite
This course is designed to develop the basic skills needed to sing properly. Vocal techniques and part-reading will be developed through the use of varied repertoire. Students are required to participate in all concerts. Additional opportunities to perform include chapels, regional and district choral events, and competitions.

**Concert Choir** (1 Credit) Full year elective (9-12); Application and Audition Required
This course is designed to exercise the advanced skills of the student and to improve upon vocal techniques through the use of varied repertoire. Students are required to participate in all concerts. Additional opportunities to perform include chapels, regional and district choral events, and competitions.

**Music Theory** (1 Credit) Full year elective (9-12); Prerequisite: Ability to read bass and treble clef.
Course is designed to develop the fundamental and basic skills of first year college music theory. Elements studied are basic elements, intervals, key signatures, chord structure, rhythms, analysis, and composition.

**Praise & Worship I** (½ Credit) One semester elective (9-12); Application and Audition Required
This course is will study what praise and worship is in reference to daily living and communicating it through the use of music. It will teach students how to become effective communicators through music ministry. It will also give students the opportunity to practice effectively and prepare spiritually for chapel. Students in this class will lead worship in chapel services.

**Praise & Worship II** (½ Credit) One semester elective (9-12); Application and Audition Required; Prerequisite: Successful completion of Praise & Worship I.
This course is will continue the study of what praise and worship is in reference to daily living and communicating it through the use of music. It will continue to teach students how to become effective communicators through music ministry. It will also give students the opportunity to practice effectively and prepare spiritually for chapel. Students in this class will lead worship in chapel services.
SPEECH

Public Speaking (½ Credit) One semester elective (9-12); No prerequisite
This class will teach the art of effective communication. How to cope with stage fright, developing personal communication style, and poise will be studied. This course is recommended for those who have trouble speaking to groups of people and to those interested in a career that involves communication skills.

Debate (½ Credit) One semester elective (9-12); No prerequisite
This course will teach the basics of formal debate. The following skills will be taught: methods of argumentation, discerning fallacies in oral and written work, and writing cases. This class is a prerequisite for interscholastic debate.

Forensics (½ Credit) One semester elective (9-12); No prerequisite
This course will teach the art of competitive speaking. The speaking categories are humorous interpretation, dramatic interpretation, extemporaneous speaking, duet acting, poetry, prose, and original oratory.

DRAMA

Acting (½ Credit) One semester elective (9-12); No prerequisite
In this course, focus is placed on character analysis. The student will do an in-depth study of characterization. The student will participate a variety of performances. All aspects of production will be developed and learned.

Theater (½ Credit) One semester elective (9-12); Prerequisite: Acting
This course will explore the history of theater. All aspects of directing, producing, and assembling a production will be explored. A study and practical application of the skills of set design, make-up, lighting, and costuming will be studied.

APPLIED ARTS

TECHNOLOGY

Keyboarding and Information Processing ($40 lab fee) (1 Credit) Full year elective (8-12); No Prerequisite
This course involves using the computer to master touch-typing as a prelude to information processing. During the first nine-weeks, students focus on developing proper keying techniques and keyboarding skill development (speed and accuracy). Students continue developing keying skills in the second nine-weeks with an introduction to information processing (formatting documents such as memos, letters, etc., and keying with proper capitalization, punctuation, number expression, and sentence structure). During the second semester, students continue building keying and information processing skills. In addition, students improve writing, formatting, proofreading, and editing competencies. This course concludes with a complete research project from outline – rough draft – first draft – proofreading & editing – final draft in proper Modern Language Association (MLA) style.
**Advanced Information Technology** ($20 lab fee + Student must pay for MYITLAB user license (2008 price was $50) (½ Credit) One semester elective (11-12); Prerequisite: Minimum 80% average in Keyboarding & Information Processing.

Students entering this course should be able to key a minimum of 35-40 words per minute using proper keying techniques. Students will continue to build on the skills developed in Keyboarding & Information Processing. This course is lab intensive, and the technology skills and concepts needed to succeed in college are emphasized throughout the course. Specifically, students develop proficiency in accomplishing tasks in Windows XP Professional and Office 2007 Professional with emphasis on Word, PowerPoint, Excel, and Outlook. The course culminates with the Liberty University Information Technology Computer Assessment (skills and concepts entrance exam). Seniors who pass this assessment are not required to take it during Freshman Orientation at LU and are exempt from INFT 110.

**Multimedia and Web Design** ($40 lab fee) (1 Credit) Full year elective (9-12); Prerequisite: Minimum 80% average in Keyboarding & Information Processing and the recommendation of their keyboarding teacher or approval from the Department Chairman.

This class is about learning what concepts drive this field; it is about learning and understanding the jargon, and focusing primarily on learning to use software products from Microsoft, Macromedia, and Adobe. Students will learn what happens when large graphic files are added to documents or Web pages; they will understand the difference between a CMYK format and an RGB one; and they will learn to measure graphic file sizes, build simple rollovers, and experiment with CMYK and RGB graphics. Finally, they will design, build, and maintain Web pages; they will create a variety of print-ready documents, and they will create a series of multimedia presentations.

**Project-Based Information Technology - 1** (1 Credit) Full year elective (10-12); Prerequisite: Minimum 80% average in Keyboarding & Information Processing and approval from the Department Chairman or the IT Coordinator.

This course is offered to expand and enrich the student's education using state-of-the-art technologies. Learning will be collaborative, hands-on, and based on producing projects related to other core curriculum areas. Problem solving, creativity, and organizational skills are key skills to the students’ success in this course. Projects will involve using cutting-edge technologies that venture far past using a standard WYSIWYG editor. Students who take this course will be equipped with research skills, organizational skills, and technology skills, in addition to extending their knowledge of core curriculum areas. The students in this class will use the knowledge and skills learned in this class to maintain and update the “official” LCA website. In addition, this course will provide students who complete online projects with an opportunity to “show off” on entrance applications. Lastly, with the expectations of and the resources available to the students in this course, it is possible that some of the projects may be submitted to scholarship awarding competitions. The $40 lab fee has been waived due to the support that PBIT students provide for the LCA staff and faculty.

**Project-Based Information Technology - 2** (1 Credit) Full year elective (11-12); Prerequisite: Project-Based Information Technology-1 and approval from the Department Chairman or the IT Coordinator.

This course is offered to second year PBIT students to further expand and enrich their education using state-of-the-art technologies. In addition, second year PBIT students have the opportunity to work on projects independently and to serve in a leadership role when working with first year PBIT students. The $40 lab fee has been waived due to the support that PBIT students provide for the LCA staff and faculty.
**YEARBOOK**

**Yearbook-1** (1 Credit) Full year elective (10-12); Prerequisite: Acceptance through an application and interview process with the yearbook advisor.
First year students learn the fundamentals of yearbook preparation while producing the school annual. Students learn to use Adobe InDesign and Photoshop in the production of the LCA yearbook. In addition, they learn to market and to sell advertising necessary to supplement the production expenses of the yearbook.

**Yearbook-2** (1 Credit) Full year elective (11-12); Prerequisite: Yearbook-1 and the approval of the yearbook advisor.
Second year students provide the student leadership necessary to make publication deadlines. In addition, more experienced students will help first year students develop their design, writing and editing skills. This course requires some after school and Saturday attendance. The yearbook staff is selected at the end of the current school year.

**Yearbook-3** (1 Credit) Full year elective (12); Prerequisite: Yearbook-2 and the approval of the yearbook advisor.
Third year students provide the student leadership necessary to develop a yearbook theme that can be carried throughout the book, and they work with the advisor to plan manageable deadlines and to edit a potentially award winning publication. In addition, these experienced students will help first and second year students to develop their design, writing, and editing skills. This course requires significant after school and Saturday attendance. The yearbook staff is selected at the end of the current school year.

**Photography** ($25 lab fee) (½ Credit) One semester elective (9-12); Prerequisite: Acceptance through an application and interview process with the Yearbook Advisor or Department Chairman. In addition the student must have a single lens, reflex (SLR) digital camera with manual setting capabilities. In this introductory photography course, students study the four basic parts of the camera, concepts of exposure control with aperture and shutter speed and exposure equivalents, lighting, and composition. Weekly field assignments help students perfect skills needed to become a good photographer.

**BUSINESS**

**Introduction to Business** ($50 fee; $20 lab fee + $30 simulation fee) (½ Credit) One semester elective (9-12); No prerequisite
This course provides students with a foundational introduction to the environment and functions of business from a Christian perspective. Organization and operation of business, the relationships of business to society, and the dominant field and types of business are surveyed. Functions studied include marketing, finance, production, management, retailing, wholesaling, advertising, risk, pricing, personnel, and business environment.
**Accounting** ($40 lab fee) (1 Credit) Full year elective (10-12); No prerequisite  
First Semester – Students learn principles of basic bookkeeping, including the complete accounting cycle. In addition, they learn how to use journals, ledgers, worksheets, income statements, and other financial statements. Students keep records for a service-based business functioning as a sole proprietorship.  
Second Semester – Students expand their knowledge and use of basic bookkeeping by exploring taxes, payroll, bad debts, depreciation, special journals, and inventory procedures for a merchandising business functioning as a partnership. The course culminates with a month-long simulation covering a complete accounting cycle for a service-based business.

**Personal Living & Finance** ($25 lab fee) (½ Credit) One semester elective (11-12); No prerequisite  
This course will equip the junior or senior at LCA with the tools needed to prepare for success beyond high school. Students will understand income, learn to manage money by preparing a practical budget, maintain a checking and savings account, consider the necessity of insurance, reflect on the benefits of good credit, and study investment strategies within their reach. Supplemental materials from Larry Burkett will ensure that the course is taught with a Christian worldview.

**Sports Management** ($25 lab fee) (½ Credit) One semester elective (10-12); No prerequisite  
Over the past decade, the business world has seen a noticeable surge in the interest in sports programs, especially at the collegiate and professional levels. As a result, many new careers are opening in sports and entertainment marketing and management. This course will provide the high school student with a preview of a possible college major or career choices in sports management. Using topics in the sports and entertainment industries, the basic functions of management are covered. Topics include leadership, finance, product management, people management, information management, legal and ethical issues, customer relations, sales management, managing change, and career development.

**Business Mathematics** ($40 lab fee) (1 Credit) Full year elective (11-12); No prerequisite  
First semester – Basic computation skills, buyer preparation, automobile expenses, travel, stock market and graphs, probability and odds to include mean, median and mode.  
Second semester – Income taxes, acquiring a job, banking, budgeting, and credit cards.

**FAMILY LIFE AND CONSUMER SCIENCES**

**Cooking-1** ($40 lab fee) (½ Credit) One semester elective (9-12); No prerequisite  
Students develop and refine food preparation skills through a well-balanced blend of lectures and practical applications in the lab. Menu planning, meal preparation, food budget, kitchen safety, kitchen cleanliness, personal safety and personal cleanliness are emphasized throughout the course. In addition, special emphasis is placed on the Food Guide Pyramid and on home management.

**Cooking-2** ($40 lab fee) (½ Credit) One semester elective (9-12); Prerequisite: Minimum 80% average in Cooking-1 and the teacher’s recommendation. Students with a strong interest in food preparation and nutrition would benefit from this course. The course emphasizes food service practices and procedures, types of menus, and meal service by course. In addition, the kitchen is broken into work stations for efficiency and work simplification. Food testing in a lab setting gives students a scientific understanding in food composition and preparation techniques.
Sewing-1 ($25 lab fee) (½ Credit) One semester elective (9-12); No prerequisite
Students are introduced to clothing construction. In addition, each student determines his or her clothing personality and color season and develops wardrobe skills. Students learn to operate a sewing machine, develop proper sewing techniques and skills through a variety of practical applications in the lab. During the second semester skills and techniques learned will be applied in a garment construction project.

Sewing-2 ($25 lab fee) (½ Credit) One semester elective (9-12); Prerequisite: Minimum 80% average in Sewing-1 and the teacher’s recommendation. This course is a continuation of fashion and sewing fundamentals from the Sewing-1 class. Content includes sewing techniques such as buttonholes and zipper placement and other garment construction.

Interior Design ($25 lab fee) (½ Credit) One semester elective (10-12); Prerequisite: Minimum 80% average in Sewing-1 & 2 and the teacher’s recommendation. This course offers students with an interest in interior design the opportunity to build upon individual designing and construction of home use textiles. Students develop decorating skills through a comprehensive study of housing types and needs.

SHOP

Woodworking I ($100 fee; $50 lab fee + $50 for project materials) (1 Credit) Full year elective (9-12); No prerequisite
Basic course designed to provide students with an opportunity to use hand and power tools to build wood projects. Students design projects, follow approved work procedures, use proper assembly techniques, and learn to use protective finishes on projects. In addition, beginning blueprint reading, tool identification, and safety procedures are stressed during the first semester. The second half of the year, students will sharpen and expand their basic skills. Projects are more detailed, and the level of difficulty is commensurate with the students’ skills. Along with teacher assigned projects, students will select a teacher approved project to produce during the semester.

Woodworking II ($100 fee; $50 lab fee + $50 for project materials) (1 Credit) Full year elective (10-12); Prerequisite: Woodworking I and permission from the instructor.
This course is for students who have a high interest in developing additional woodworking skills. Projects are more detailed and complex. This course provides students with the opportunity to develop more advanced woodworking skills. In addition, students are introduced to more complex examples of craft operations, blueprint reading and cabinet construction.

Woodworking III ($50 lab fee; students provide all project materials) (1 Credit) Full year elective (11-12); Prerequisite: Woodworking II and permission from the instructor.
This course challenges advanced woodworking students (male and female) with more advanced techniques and blueprint reading. Students complete one major project during the first semester. In the second semester, students must study and duplicate a major piece of furniture from an accepted furniture style. If time permits, students may complete one additional major project during the semester.

Woodworking IV ($50 lab fee; students provide all project materials) (1 Credit) Full year elective (12); Prerequisite: Woodworking III and permission from the instructor. Students complete one or two major projects during the year. In addition, students may assist in instruction for Woodworking II students.
Basic Building Construction ($50 lab fee; students provide all project materials) (1 Credit) Full year elective (11-12); Prerequisite: Minimum 85% in Woodworking II and permission from the instructor. Students applying for this course must have demonstrated competencies in reading comprehension, simple mathematics, measuring, and tool selection and usage. During this course, an understanding of blueprints, selecting and estimating materials, understanding proper building sites, understanding building codes, zoning, and legal documents will be stressed. Practical applications and activities will include laying out buildings, floor framing, and wall, ceiling, and roof framing. Completing several, small backyard structures as class projects will give students practical hands-on experience. It is this hands-on experience that gives students a clear view into their future as a homeowner or a tradesperson.

Drafting I ($50 lab fee + students are required to purchase tools needed for class through local vendors, and students are required to purchase a framing kit through LCA—current cost is approximately $100) (1 Credit) Full year elective (9-12); No prerequisite Course includes lettering and line work, orthographic projection, visualization of views, and detailing simple drawings. Basic knowledge of drafting equipment is stressed, including reading scales. Second semester, students continue developing skills with greater emphasis on dimensioning, sectioning, residential architectural drafting, and more detailed drawings. Students build a scale model house as a final project.

Electricity I ($50 lab fee + students are required to purchase personal tools needed for class and to provide project materials). (1 Credit) elective Full year (9-12); No prerequisite This course will introduce students to basic home wiring and beyond into the electrical trades. As students explore the basic function of a home’s electrical system, they will be exposed to many lessons on electrical safety. Students in this course will complete a variety of basic wiring projects.

Electricity II ($50 lab fee + students are required to purchase personal tools needed for class and to provide project materials). (1 Credit) elective Full year (10-12); Prerequisite: Electricity I This course places emphasis on reading and drawing blueprints, installing fixtures, switches, receptacles, and wiring circuit breakers and doorbells. In addition, students will explore the possibility of a career in the electrical trade and will learn basic wiring tools, electrical symbols, and building codes.

Aviation ($40 lab fee) (½ High School Credit and 3 College Credit Hours) One semester elective (11-12) Prerequisite: Must have maintained a cumulative minimum average of 90% or higher. This course involves a complete explanation of aeronautical concepts including Fundamentals of Flight, Flight Operations, Aviation Weather, Performance and Navigation, and Integrating Pilot Knowledge and Skills.
Certified Nursing Assistant ($50.00 lab fee and a list of nursing supplies to be purchased by the student. Student must pay for the C.N.A. Test) (1 Credit) Full year elective (11-12); Prerequisite: Biology, Chemistry, and Algebra II or be enrolled in Chemistry and Algebra II, 85% average or higher in all classes.
This course is designed to provide the student with basic theory, skills, and clinical experience in preparation for certification as a Virginia Nurse Aide. With successful completion of this course and passing the CNA Test, the student will be able to provide basic health care skills under the supervision of a licensed nurse.

ACADEMIC SUPPORT

Study Skills (½ Credit) One semester elective (9-12); No prerequisite
This course is designed to help students develop organizational skills and good study habits to achieve academic success. The class includes instruction and practice in the areas of time management, organization, note taking, test preparation, test taking, writing, reading comprehension and retention. Different learning styles are explored and utilization of specific strategies are implemented to improve academic performance and as a preparation for college.

Resource (1 Credit) (Separate contract and annual fee required) Full year elective (9-12); Prerequisites: student must have an IEP (Individual Eligibility Plan) and testing must be current.
This class is designed to help students who have been diagnosed with a specific learning disability identify and utilize strategies that will further academic success. The class provides tutorial and organizational help, utilizes specific time management and test preparation strategies, and encourages student accountability and responsibility for success. Accommodations and modifications are implemented to promote success in each course.

NILD (National Institute for Learning Development) (1 Credit) (Separate contract and annual fee required) Full year elective (9-12)
Enrollment in this course is by recommendation of the Discovery Program, Administration and Guidance Office only.