



VERNON MALONE

COLLEGE AND CAREER ACADEMY



2017-2018 Course Description Guide

Wake County Public School System

Vernon Malone College and Career Academy

2017-2018 Course Listing Vernon Malone College and Career Academy

This is a listing of the courses projected to be taught in the 2017-2018 school year. Use this listing along with the Course Description Guide and Four-Year Graduation Plan to complete your registration on Power School. Consult with your counselors, teachers, and parents to ensure that you have selected appropriate courses for your individual Pathway and future success. Note that the online registration database (Power School) will list courses alphabetically by department.

Updated: 02/10/2017

English

- (10215X0) Honors English I
- (10225X0) Honors English II
- (10235X0) Honors English III
- (10245X0) Honors English IV
- (10255X0J) African American Literature Honors
- (10145X0) Speech I Honors

Math

- (21092X0) Math I
- (22095X0) Honors Math II
- (23095X0) Honors Math III
- (24082X0) Essentials of College Math
- (24035X0) Pre-Calculus Honors

Science

- (35015X0) Honors Earth Science
- (33205X0) Honors Biology
- (34205X0) Honors Chemistry
- (30205X0B) Principles/Applications of Physical Science Honors
- (3A027X0) AP Environmental Science
- (3A007X0) AP Biology & (30205X0E) Research Methods & Techniques Honors (*Year-Long/Combined Courses*)

Health and Physical Education

- (60492X0) Health and Physical Education (Healthful Living I)
- (60625X0) Physiology and Fitness of Well-Being-Honors
- (60612X0) Physical Fitness II
- (60292X0J) Team Sports I
- (60292X0K) Team Sports II
- (60292X0D) Lifetime Sports
- (60292X0E) Lifetime Sports II

Foreign Language

- (11412X0) Spanish I
- (11422X0) Spanish II
- (11435X0) Honors Spanish III
- (11445X0) Honors Spanish IV
- (11492X0) Spanish for Native Speakers I
- (11505X0) Spanish for Native Speakers II Honors

Arts Education

- (54175X0M1) Magnet Art & Design Studio I Honors
- (54185X0M2) Magnet Art & Design Studio II Honors
- (54625X0M3) Magnet Art & Design Studio III Proficient
- (54645X0M4) Magnet Art & Design Studio IV Advanced

Career and Technical Education

Business, Finance and Information Technology

- (BF102X0) Principles of Business and Finance
- (BP102X0) Computer Programming
- (BM105X0) Microsoft Word & Power Point Honors
- (ME125X0) Honors Entrepreneurship I
- (ME125X0) Honors Entrepreneurship II
- (CC452X0) Career Management
- (CS952X0H) Technology Advanced Studies
- (CS962X0) CTE Apprenticeship
- (CS972X0) CTE Internship
- (IC612X0) Drafting I
- (IC625X0) Honors Drafting II-Architectural
- (IC635X0) Honors Drafting III-Architectural

Social Studies

- (43035X0) Honors World History
- (43045X0) Honors American History I: The Founding Principles
- (43055X0) Honors American History II
- (42095X0) Honors American History: The Founding Principles, Civics & Economics
- (48005X0J) Contemporary Law & Justice Honors

Curriculum Assistance

- (96102X0L) Curriculum Assistance-9th Grade
- (96102X0M) Curriculum Assistance-10th Grade
- (96102X0Q) Curriculum Assistance-11th Grade
- (96102X0R) Curriculum Assistance-12th Grade

2017-2018 Freshman (9th Grade)
Course Listing
Vernon Malone College and Career Academy

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**All Vernon Malone College and Career Academy graduates will be required to complete two levels of Spanish; may elect to take higher levels of Spanish.*

Updated: 02/10/17

English

- (10215X0) Honors English I
- (10255X0J) African American Literature Honors
- (10145X0) Speech I Honors

Math

- (21092X0) Math I
- (22095X0) Honors Math II
- (23095X0) Honors Math III

Science

- (35015X0) Honors Earth Science
- (33205X0) Honors Biology-*Only if student have completed Math I*

Health and Physical Education

- (60492X0) Healthful Living I
- (60292X0J) Team Sports I
- (60292X0D) Lifetime Sports I
- (60625X0) Physiology & Fitness of Wellbeing Honors

Career Technical Education

- (BF102X0) Principles of Business and Finance
- (IC612X0) Drafting I
- (CC452X0) Career Management
- (BM105X0) Microsoft Word & Power Point

Social Studies

- (43035X0) Honors World History

Foreign Language

- (11412X0) Spanish I*
- (11422X0) Spanish II*
- (11492X0) Spanish for Native Speakers I

Art

- (54175X0M1) Magnet Art & Design Studio I Honors

Special Education

- (96102Y0L) Curriculum Assistance-9th Grade

ART EDUCATION

Magnet Art & Design Studio I Honors

(54175X0M1) – 1 CREDIT (HN)

This course guides students in moving beyond the basics and learn to embrace the 4C's- Communication, Collaboration, Critical Thinking Skills, and Creativity- the super skills for the 21st Century. The studio is a learning environment where students work as artists/designers and are consistently engaged in creativity and innovation, research, communication, and collaboration. All essential skills allowing students as artists/designers to create meaningful, original works. Students will develop craft through explorations in a wide variety of art forms, techniques, and materials in increasingly complex ways providing them foundations to take risks, solve creative problems, and be expressive. Creative thinking skills will develop and expand through design themes and project-based learning opportunities. Students as artists/designers will maintain a digital portfolio documenting their creative journey throughout their semester in the Art & Design Studio.

Magnet Art & Design Studio II Honors

(54185X0M2) – 1 CREDIT (HN)

Prerequisite: Magnet Art & Design Studio I Honors, Beginning course

This intermediate course offers students as artists/designers an in-depth study of formal qualities of art & design while expanding on their creativity and innovation by applying critical thinking skills, research methods, communication tools, and collaborative processes. A series of two and three dimensional art & design themes with project-based learning opportunities will provide experiences that allow students as artists/designers to create unique ideas for original works. Students will work together as art curators for a final class art exhibition. Further development of digital portfolio to continue documenting their creative journey in the Art & Design Studio.

Magnet Art & Design Studio III Proficient

(54635X0M3) – 1 CREDIT (HN)

Prerequisite: Magnet Art & Design Studio II Honors, Intermediate course

This honor level art & design course involves a more in-depth study of an arts discipline as an area of interest or concentrating on an overarching innovative idea to further explore, refine, and express through meaningful, original works. Students as artists/designers will independently curate an exhibition of a unified body of creative works. Further development of digital portfolio to continue documenting their creative journey in the Art & Design Studio.

Magnet Art & Design Studio IV Advanced

(54645X0M4) – 1 CREDIT (HN)

Prerequisite: Magnet Art & Design Studio III Proficient course

This honor level art & design course will provide the student as an artist/designer an opportunity to continue to explore and expand knowledge of an arts discipline as an area of interest or concentrate on an overarching innovative idea to further explore, refine, and express through meaningful, original works. Students as artists/designers will independently curate an exhibition of a unified body of creative works. Finalize digital portfolio to prepare for college and career reviews.

CAREER-TECHNICAL

BUSINESS, FINANCE AND INFORMATION TECHNOLOGY

Career Management

(CC452X0) – 1 CREDIT

Prerequisite: None

This course prepares students to locate, secure, keep, and change careers. Emphasis is placed on self-assessment of characteristics, interests, and values; education and career exploration; evaluation of career information and creation of a career plan. Based on the National Career Development Guidelines, skills learned in this course include, but are not limited to communications, interpersonal skills, problem solving, personal management and teamwork. English language arts are reinforced. Work-based learning strategies appropriate for this course include business/industry field trips, internships, job shadowing, and service learning. Student participation in Career and Technical Student Organization, (CTSO) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Entrepreneurship I (Honors)

(ME115X0) – 1 CREDIT (HN)

Recommended for Grades 10-12

In addition to the standard course requirements for Entrepreneurship I, this honors level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement. Students will be expected to take and pass the appropriate industry certification exam associated with the course, if available.

Entrepreneurship II (Honors)

(ME125X0) -1 CREDIT (HN)

Prerequisite: Entrepreneurship I or Small Business Entrepreneurship

Recommended for Grades 11-12

In addition to the standard course requirements for Entrepreneurship II, this honors level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement. Students will be expected to take and pass the appropriate industry certification exam associated with the course, if available.

The Entrepreneurship

Principals of Business and Finance

(BF102X0) – 1 CREDIT

Prerequisite: None

This course introduces students to topics related to business, finance, management, and marketing to cover business in the global economy, functions of business organization and management, marketing basics, and significance of business financial and risk management. English language arts, social studies, and mathematics are reinforced. Students will have daily access to computers for application of content to current/real world topics. Work-based learning strategies appropriate for this course include mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship and cooperative education are not available for this course. DECA (an association for Marketing Education students) and Future Business Leaders of America (FBLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Drafting I

(IC612X0) – 1 CREDIT

Prerequisite: None

This course introduces students to the use of simple and complex graphic tools used to communicate and understand ideas and concepts found in the areas of architecture, manufacturing, engineering, science, and mathematics. Topics include problem-solving strategies, classical representation methods such as sketching, geometric construction techniques, as well as computer assisted design (CAD), orthographic projection, and 3-D modeling. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Drafting II – Architectural (Honors)

(IC625X0) – 1 CREDIT (HN)

Prerequisite: Drafting I

In addition to the standard course requirements for Drafting II - Architectural, this honors level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement. Students will be expected to take and pass the appropriate industry certification exam associated with the course, if available.

Drafting III – Architectural (Honors)

(IC635X0) – 1 CREDIT (HN)

Prerequisite: Drafting II - Architectural

This course introduces students to advanced architectural design concepts. Emphasis is placed on the use of computer assisted design (CAD) tools in the design and execution of site and foundation plans as well as topographical information and detail drawings of stairs and wall sections. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Common Core Math II is recommended as preparation for this course.

CTE Apprenticeship

(CS962X0) – 1 CREDIT

Prerequisite: Two technical credits in one Career Cluster

Students who participate in apprenticeships or pre-apprenticeships through the North Carolina Department of Labor, Apprenticeship and Training Bureau can also earn CTE credit while they earn hours and experience toward an adult apprenticeship leading to a completed journeyman certificate. This course is appropriate for occupations that do not require a college degree but require a high level of skill and knowledge.

CTE Internship

(CS972X0) – 1 CREDIT

A CTE Internship allows for additional development of career and technical competencies within a general career field. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. This activity is exploratory and allows the student to get hands-on experience in a number of related activities. The teacher, student, and the business community jointly plan the organization, implementation, and evaluation of an internship, regardless of whether it is an unpaid or paid internship. A student must complete 135 hours of work-based learning to earn 1 credit.

Computer Programming

(BP102X0) – 1 CREDIT

This course is designed to introduce the concepts of programming, application development, and writing software solutions in the Visual Studio environment. Emphasis is placed on the software development process, principles of user interface design, and the writing of a complete Visual Basic program including obtaining and validating user input, logical decision making and processing, graphics, and useful output. Mathematics is reinforced throughout the course. Work-based learning strategies appropriate for this course include entrepreneurship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship and cooperative education are not available for this course. Future Business Leaders of America (FBLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Technology Advanced Studies

(CS952X0H) – 1 CREDIT

This culminating course is for juniors and seniors who have earned two technical credits in Technology Education, one of which is a completer course, in one Career Cluster. The Advanced Studies course must augment the content of the completer course and prepare students for success in transitioning to postsecondary education and future careers. Students work under the guidance of a teacher with expertise in the content of the completer course in collaboration with community members, business representatives, and other school-based personnel. The four parts of the course include writing a research paper, producing a product, developing a portfolio, and delivering a presentation. Students demonstrate their abilities to use 21st century skills. Technology Student Association (TSA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Microsoft Word & Power Point Honors

(BM105X0) – 1 CREDIT (HN)

In addition to the standard course requirements for Microsoft Word & PowerPoint, this Honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently, and has a history of high academic achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments. Students will be expected to take and pass the Microsoft Office Specialist (MOS) certification exam for Microsoft Word and Microsoft PowerPoint.

ENGLISH

Honors English I

(10215X0) – 1 CREDIT (HN)

This honors course is designed to challenge students. It concentrates on developing reading, writing, and critical thinking skills through an intensive survey of literary types and appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage as needed. This college preparatory course focuses on the development of complex thought processes, independence in learning, and creative expression through discussion and frequent writing assignments. Homework is a reinforcement and extension of classroom instruction.

Honors English II

(10225X0) - 1 CREDIT (HN)

Prerequisite: English I

This honors course is designed to challenge students. This course concentrates on developing reading, writing, and critical thinking skills through an intensive study of a variety of selected world literature and appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage as needed. This college preparatory course focuses on the development of complex thought processes, independence in learning, and creative expression through discussion and frequent writing assignments. Homework is a reinforcement and extension of classroom instruction.

Honors English III

(10235X0) – 1 CREDIT (HN)

Prerequisite: English II

This honors course is designed to challenge students. This course concentrates on developing reading, writing, and critical thinking skills through an intensive study of selected American literature and appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage as needed. This college preparatory course focuses on the development of complex thought processes, independence in learning, and creative expression through discussion and frequent writing assignments. Homework is a reinforcement and extension of classroom instruction.

Honors English IV

(10245X0) – 1 CREDIT (HN)

Prerequisite: English III

This honors course is designed to challenge the students. This course concentrates on developing reading, writing, and critical thinking skills through an intensive study of selected British literature and appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage as needed. This college preparatory course focuses on the development of complex thought processes, independence in learning, and creative expression through discussion and frequent writing assignments. Homework is a reinforcement and extension of classroom instruction.

African American Literature Honors

(10255X0J) – 1 CREDIT (HN)

This literature-based course is intended for those students interested in a deep and extended exploration of African American writing and its relationship to American history and culture. Students can expect to study a survey of the African American experience, from colonial voices through urban fiction, poetry, and music lyrics. A deep study of critical theories and their application to African American literature uses a variety of African American sources as text for this course.

Speech I Honors

(10145X0) – 1 CREDIT (HN)

This course is designed for students interested in exploring the Speech I curriculum at a more intensive and extensive level. Students taking this course for Honors credit must write and deliver deeply considered and polished responses to course assignments, participate in peer review panels, and extend their thinking through preparing presentations that fulfill fundamental standards for selected events promoted by the National Forensics League.

HEALTH & PHYSICAL EDUCATION

Healthful Living I

(60492X0) – 1 Credit

The completion of Healthful Living I is a North Carolina high school graduation requirement. The course consists of the required high school healthful living essential standards and clarifying objectives approved by the North Carolina State Board of Education and required by the North Carolina Department of Public Instruction. After completing Healthful Living I students are encouraged to pursue other Healthful Living electives. Physical education components include the progressive development of motor skills and movement concepts along with learning opportunities that promote health related fitness and personal/social responsibility. Health components include analyzing the relation between nutrition and physical activity, understanding the importance and consumer health, learning solid decision-making to prevent use of alcohol, tobacco, and other drugs. Opportunities to practice solid decision making and conflict resolution strategies are provided to assist students in development of healthy mental and emotional health through productive interpersonal communication and development of relationships.

Physical Fitness II

(60612X0) 1 CREDIT

Recommended prerequisite(s): Personal Fitness I with teacher recommendation

This course involves continued participation in aerobics, step aerobics, and weight lifting. Other topics such as nutrition and muscle physiology are studied. Personal improvement through an individualized exercise and nutrition plan is stressed in this valuable course. This includes the five components of physical fitness: flexibility, muscular strength and endurance, body composition, and cardiovascular training.

Physiology and Fitness of Well-Being (Honors Personal Fitness)

(60625X0) – 1 CREDIT (HN)

Recommended prerequisite(s) Healthful Living I, Personal Fitness I

This course is designed to challenge highly motivated individuals to understand, apply, and achieve levels of improvement in personal fitness and nutrition. Students will through use of various technology tools collect data, chart and analyze their personal levels of physical fitness centered on the (5) Components of Health-Related Fitness. The course will allow students to create and implement personal fitness plans for the course by using the FITT formula. Various self-assessments and analysis will be conducted through reflectively writing those changes that occur in body composition. Students will develop a deeper understanding of the correlation between exercise, nutrition and its lifetime benefits such as the curtailing of obesity and type II diabetes. Students will explore at an intense level the following: Trifit System, heart monitors, core strength training, and research-based topics.

Team Sports I

(6029X0J) – 1 CREDIT

Recommended prerequisite(s): Healthful Living I

This course is designed to include the development of general personal fitness, and active participation in team sports such as basketball, soccer, flag football, lacrosse, volleyball, and softball. Activities are equally divided within the total weeks of instruction. This course includes the history, rules, and terminology with an emphasis in skill development, officiating, game strategies, and leadership.

Team Sports II

(60292X0K) – 1 CREDIT

Recommended prerequisite(s): Team Sports I and teacher recommendation

This course is designed to include the development of a greater in depth knowledge, the application of personal fitness skills, and the demonstration of more advanced team sport skills. Please see Team Sports I for a general listing of activities for this elective.

Lifetime Sports

(60292X0D) – 1 CREDIT

Recommended prerequisite(s): Healthful Living I

This course is designed to include the development of general personal fitness, and active participation in lifetime sports such as golf, tennis, badminton, table tennis, bowling, archery, racquetball, and pickle ball. Activities are equally divided within the total weeks of the semester. This course includes the history, rules, and terminology with an emphasis in skill development, game strategies, and safety.

Lifetime Sports II

(60292X0E) – 1 CREDIT

Recommended prerequisite(s): Lifetime Sports I and teacher recommendation

This course is designed to include the development of a greater knowledge and application of personal fitness development, demonstration of more advanced skills in lifetime sports. Activities are equally divided within the total weeks of the semester.

MATH

Math I

(21092X0) – 1 CREDIT

Recommended prerequisite(s): Mastery of the middle school mathematics curriculum

The purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. This course deepens and extends understanding of linear relationships, in part by contrasting them with exponential and quadratic phenomena, and in part by applying linear models to data that exhibit a linear trend. In addition to studying bivariate data, students also summarize, represent, and interpret data on a single count or measurement variable. The Geometry standards that appear in this course formalize and extend students' geometric experiences to explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. This course fulfills the North Carolina high school graduation requirement for Common Core Math I. The final exam is the North Carolina End-of-Course Test based on the Common Core Math 1 Standards.

Honors Math II

(22095X0) - 1 CREDIT (HN)

Recommended prerequisite(s): Math I

In Math II, students continue to deepen their study of quadratic expressions, equations, and functions; comparing their characteristics and behavior to those of linear and exponential relationships from Math I. The concept of quadratics is generalized with the introduction of more sophisticated polynomials. New methods for solving quadratic and exponential equations are developed. The characteristics of more advanced types of functions are investigated (including power, inverse variation, radical, absolute value, piecewise-defined, and simple trigonometric functions). The link between probability and data is explored through conditional probability and counting methods. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between Math II and the historical approach taken in Geometry classes. For example, transformations are explored early in the course and provide the framework for studying geometric concepts such as similarity and congruence. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. Honors Math II explores content at a rigorous level to begin students' preparation for advanced math courses. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. This course fulfills the North Carolina high school graduation requirement for Math II. The final exam is the North Carolina Final Exam for Math II. This honors course is designed to challenge students. This course concentrates on developing reading, writing, and critical thinking skills through an intensive study of a variety of selected world literature and appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage as needed. This college preparatory course focuses on the development of complex thought processes, independence in learning, and creative expression through discussion and frequent writing assignments. Homework is a reinforcement and extension of classroom instruction.

Honors Math III

(23095X0) – 1 CREDIT (HN)

Recommended prerequisite(s): Honors Math II

This course is designed so that students have the opportunity to pull together and apply the accumulation of mathematics concepts learned previously. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include polynomial, rational, and radical functions, including an intense study of families of functions and the relationships therein. They expand their study of right triangle trigonometry to include general triangles and in the study of trigonometric functions to model simple periodic phenomena. Finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems. Appropriate technology and tools, including manipulatives and calculators, will be used regularly for instruction and assessment. The Standard for Mathematical Practice apply throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that means use of their ability to make sense of problems situations. This course fulfills the North Carolina high school graduation requirement for Math III. The final exam is the North Carolina Final Exam for Math III.

Essentials of College Math

(24082X0) – 1 CREDIT

Recommended prerequisite(s): Marginal proficiency in Math III

Concepts explored in this course include exponentials, quadratics, equations, measurement, number operations, systems, linear functions, and statistics. Emphasis is on understanding mathematics concepts rather than just memorizing procedures. Students will learn the context behind procedures: for example, why they should use a certain formula or method to solve a problem. This equips them with higher-order thinking skills enabling them to apply math skills, functions, and concepts in different situations. Additionally, students are prepared for college level math assignments. This course is accepted as the fourth math for admission to UNC System institutions.

PreCalculus Honors

(24082X0) – 1 CREDIT (HN)

Recommended prerequisite(s): Honor Math III

The Precalculus curriculum includes a complete study of trigonometry, as well as advanced algebra topics, analytic geometry, sequences and series, data analysis, vectors, and limits. Applications and modeling are included throughout the course of study. Appropriate technology, from manipulatives to calculators and application software, is used for instruction and assessment. This course is accepted as the fourth math for admission to UNC System institutions.

SCIENCE

Honors Earth Science

(35015X0) – 1 CREDIT (HN)

This course focuses on inquiry into the functions of the earth's systems. Emphasis is placed on matter, energy, coastal dynamics, environmental awareness, materials availability, and the cycles that circulate energy and material through the earth systems. Laboratory work is a major component of the course.

Honors Biology

(33205X0) - 1 CREDIT (HN)

Content and principles for biology are taught but in greater depth and magnitude. Students do extensive research, independent study, and laboratory investigations. This course is designed for students who have shown superior achievement and high interest in previous science courses. The final exam is the North Carolina Biology End-of-Course Test.

Honors Chemistry

(34205X0) - 1 CREDIT (HN)

Recommended prerequisite(s): Algebra II or concurrent enrollment in Math III

The concepts and principles of chemistry are presented in greater depth and at a more rapid pace than in Academic Chemistry. Students perform extensive research, independent study, and laboratory work. Theoretical and mathematical relationships in chemistry are studied.

Advanced Placement Environmental Science

(3A027X0) 1 CREDIT (AP)

Recommended prerequisites: Successful completion of two years of high school laboratory science

The AP Environmental Science course is designed to be the equivalent of an introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. It is expected that students enrolled in this course will take the College Board Advanced Placement Test.

Applied Science Honors

(9231BX0) 1 CREDIT (HN)

This curriculum focuses on the understanding of force and motion, of energy and its conservation, of electricity and magnetism, of the properties of matter, the identification of uses and danger of common chemicals, the positive and negative effects humans have on the environment, and the human body's basic needs and control systems.

Principles/Applications of Physical Science

(30205X0B) – 1 CREDIT (HN)

This course is designed as an entry-level course. The concepts of physics and chemistry are taught using both laboratory approaches and inquiry teaching. Students use their mathematical skills in the applications of science. Science projects and other independent student research provide students with a better understanding of the processes of science.

Advanced Placement Biology combined with Research Methods & Techniques Honors (Year-Long Course)

(3A007X0) – 1 CREDIT (AP) & (30205X0E) – 1 Credit (HN)

Recommended prerequisite(s): Biology/Honors Biology and Chemistry/Honors Chemistry for AP Biology

Recommended prerequisite(s): Algebra I /Common Core Math I and Biology for Research Methods & Technique

AP Biology: Students study the basic principles and concepts covered in an introductory "General Biology" college-level course. Topics include the structure and function of cells and organisms, the organization, requirements and development of living systems, and heredity and evolution. Students are provided in-depth laboratory experiences. It is expected that students enrolled in this course will take the College Board Advanced Placement Test.

Research Methods & Techniques: This honors level course affords students the opportunity to participate in advanced scientific research and scholarship. Students may do research in biology, chemistry, and the physical sciences. Instruction includes current methods for scientific research and experimental design.

SOCIAL STUDIES

Honors World History

(43035X0) – 1 CREDIT (HN)

This honors course is designed to challenge students. This course will address six periods in the study of world history, with a key focus of study from the mid-15th century to the present. Students will study major turning points that shaped the modern world. The desired outcome of this course is that students develop understandings of current world issues and relate them to their historical, political, economic, geographical, and cultural contexts. Students will broaden their historical perspectives as they explore ways societies have dealt with continuity and change, exemplified by concepts such as civilization, revolution, government, economics, war, stability, movement, and technology.

American History I: The Founding Principles (Honors)

(43045X0P) – 1 CREDIT (HN)

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

American History I – The Founding Principles (Honors)

(43045X0) – 1 CREDIT (HN)

This honors course is designed to challenge students. In this course students will examine the historical and intellectual origins of the US from the European exploration and colonial settlement to the Revolutionary and Constitutional eras. Students will learn about the important political and economic factors that contributed to the development of colonial America and the outbreak of the American Revolution, as well as the consequences of the Revolution, including the writing and key ideas of the US Constitution. This course will guide students as they study the establishment of political parties, America's westward expansion, the growth of sectional conflict, how that sectional conflict led to the Civil War, and the consequences of the Civil War, including Reconstruction.

American History II (Honors)

(43055X0) – 1 CREDIT (HN)

Recommended prerequisite(s): American History I: The Founding Principles

This honors course is designed to challenge students. In this course students will examine the political, economic, social, and cultural development of the US from the end of the Reconstruction era to the present times. Students will explore the change in the ethnic composition of American society, the movement toward equal rights for racial minorities and women, and the role of the US as a major world power. An emphasis will be placed on the expanding role of the federal government and the federal courts, as well as the continuing tension between the individual and the state. The desired outcome of this course is for students to develop an understanding of the cause –and –effect relationship between past and present events, recognize patterns of the interactions, and understand the impact of events on the US in an interconnected world.

American History: The Founding Principles, Civics & Economics (Honors)

(42095X0) – 1 CREDIT (HN)

This honors course is designed to challenge students. This course provides students with a framework for understanding the basic tenets of American democracy, practices of American government as established by the US Constitution, basic concepts of American politics and citizenship, and concepts in micro- and macroeconomics and personal finance. The goal of this course is to help to prepare students to become responsible and effective citizens in the interdependent world.

Contemporary Law & Justice (Honors)

(48005X0J) – 1 CREDIT (HN)

This course focuses on the legal, judicial, law enforcement and corrections systems of the United States. Examined are relevant examples of civil and criminal laws, law-enforcement methods, court procedures, and efforts toward corrective justice. Students also examine problems within the legal and justice systems.

FOREIGN LANGUAGE

Spanish I

(11412X0) – 1 CREDIT

This course is an introduction to the study of the target language and its culture and may be taken in middle or high school. Students perform the most basic functions of the language and become familiar with some elements of its culture. The emphasis is placed on the development of the four skills listening, speaking, reading, and writing within a given context extending outside of the classroom setting when possible. The content focuses on the student's lives and experiences, and includes an exposure to everyday customs and lifestyles. Grammar is integrated throughout the course and is selected according to the language conventions (functions). A general introduction to culture (e.g., literature, laws, foods, games), perspectives (e.g., attitudes, values, beliefs), and practices (patterns of social interaction) is integrated throughout the course. Students acquire some insight into how languages and cultures work by comparing the target language and culture(s) to their own. Integration of other disciplines is ongoing throughout the course.

Spanish II

(11422X0) – 1 CREDIT

Recommended prerequisite(s): Spanish I

Students enrolled in this course have successfully completed a Level I course at middle or high school or have placed out Level I due to previous language study and/or established proficiency.

This course provides students with opportunities to continue the development of their listening, speaking, reading, and writing skills. Students participate in short conversational situations by combining and recombining learned elements of the language orally and in writing. They are able to satisfy basic survival needs and interact on issues of everyday life in present time and past time, inside and outside of the classroom setting. They compose related sentences which narrate, describe, compare, and summarize familiar topics from the target culture. Focus is placed on understanding main ideas in simple text.

Students develop a better understanding of the similarities and differences between cultures and languages and they examine the influence of the beliefs and values on the target culture(s). Integration of the other disciplines is ongoing throughout the course.

Spanish III (Honors)

(11435X0) - 1 CREDIT (HN)

Recommended prerequisite(s): Spanish II

Students enrolled in this course have either successfully completed Level I and II course at the middle or high school level or have placed out of Levels II and II due to previous language study and /or established proficiency .

This course provides students with additional opportunities to expand their listening, speaking, reading and writing skills as they create with the language and access various materials (short literacy texts, authentic materials, technical manuals, and other media) in generally familiar topics. Students satisfy limited communication and social interaction demands as well as initiate and maintain face-to-face communication. They identify main idea(s) and some details in discussions, presentations, and written texts within a cultural context; read and interpret authentic materials; narrate and describe in a series of sentences, groups of related sentences, and short cohesive passages in present, past, and future time; and compose messages, announcements, personal notes, and advertisements. Students continue to refine their knowledge and understanding of the target language and culture(s) and their own by examining the interrelationship of other cultures to their own, by demonstrating behaviors appropriate in target cultures, and by applying their knowledge and skills inside and outside of the classroom setting. Integration of other disciplines is ongoing throughout the course.

Spanish IV (Honors)

(11445X0) - 1 CREDIT (HN)

Recommended prerequisite(s): Spanish III

Students enrolled in this course have successfully completed Level III in high school or they have placed out of Levels I-III due to previous language study and /or established proficiency.

A major focus of this course is to enable students to communicate in writing and in extended conversations on a variety of familiar and some unfamiliar topics. Students begin to narrate, discuss, and support fairly complex ideas and concepts using concrete facts and topics with details in a variety of times. They satisfy routine social demands and meet most social requirements. The emphasis of this course can vary, as described above. Many different types of text (short stories, poetry, excerpts from various periods of literature, current events, technical manuals, and other authentic materials) are included, depending on the emphasis and providing for independent reading. Finer points of grammar are studied to aid oral and written communication.

There is more in-depth study of the target culture(s) and their influence throughout the world. Students are able to connect the target language to other disciplines and can compare it to their own. Finally, they are able to use the language inside and outside of the classroom setting.

Spanish I for Native Speakers

(11492X0) 1 CREDIT

Recommended prerequisite(s): Ability to speak and comprehend conversational Spanish

This course is designed specifically for native or heritage speakers of a language other than English who already have some oral language proficiency. The purpose of this course is to enable students to develop, maintain, and enhance their proficiency in the heritage language by providing them the opportunity to listen, speak, and write in a variety of contexts and for a variety of audiences, including the family, school, and the immediate community. The course will allow students to explore the cultures that use the heritage language, including their own, and it will enable students to gain a better understanding of the nature of their own language as well as other languages to be acquired.

Spanish II for Native Speakers Honors

(11505X0) 1 CREDIT (HN)

Students enrolled in this course have either successfully completed a Heritage Language Level I course at the middle of high school or have placed out of Level I due to previous language study and/or established proficiency.

This course is designed specifically for a native or heritage speakers of a language other than English who already have some oral language proficiency. The purpose of this course is to enable student to further develop, maintain, and enhance their proficiency in the heritage language by providing them the opportunity to listen, speak, read, and write in a variety of contexts and for a variety of audiences , including the family, school, and broader community. The course will allow students to explore the cultures that use the heritage language, including their own, and will enable students to gain a better understanding of the nature of their own language as well as other languages to be acquired.

Note: This course may be taken in middle or high school. The objectives for Heritage Language Level II, which is the equivalent of a Level III as modern language course, are written at the honors level; therefore, this course is always assigned to category H (1point)