CAREER READY ♦ COLLEGE READY

VERNON MALONE

COLLEGE AND CAREER ACADEMY

WWW.WCPSS.NET/VERNONMALONECCA

2026-2027

Course Description Guide

Wake County Public School System

VMCCA Course Listing

This is a listing of the courses projected to be taught in the 2026-2027 school year. Use this listing along with the Course Description Guide and Credit Review sheet to plan your registration for the 26-27 school year. Consult with your counselors, teachers, and parents to ensure that you have selected appropriate courses for your individual pathway and future success.

English

- AP English Language and Composition
- AP Literature & Composition
- English I Honors
- English II Honors
- English III Honors
- English IV Honors

Math

- AP Pre-Calculus
- AP Calculus
- Discrete Math for Computer Science Honors
- Math 1
- Math 1 Honors
- Math 2 Honors
- Math 3 Honors
- Math 4 Honors

Science

- AP Biology
- AP Environmental Science
- Biology Honors
- Chemistry Honors
- Earth Science Honors
- Physical Science
- Physics Honors

Social Studies

- American History Honors
- AP US History
- Economic and Personal Finance Honors (EPF)
- Founding Principles of USA & NC: Civic Literacy Honors
- World History Honors

Health and Physical Education

- Healthful Living I Honors
- Team Sports
- Weight Training and Conditioning I

World Language

- Spanish I Honors
- Spanish II Honors
- Spanish III Honors
- Spanish Heritage I Honors
- Spanish Heritage II Honors

Arts Education

- Magnet Art & Design Studio I Honors
- Magnet Art & Design Studio II Honors
- Magnet Art & Design Studio III Proficient Honors
- Magnet Art & Design Studio IV Advanced Honors

Career and Technical Education

- Adobe Visual Design I Honors
- Adobe Visual Design II Honors
- AP Computer Science Principles
- Autobody Repair I
- Autobody Repair II Honors
- CTE Internship
- Marketing I
- Marketing 2
- Microsoft Word & Power Point Honors
- Microsoft Excel Honors
- Python Programming I Honors
- Python Programming II Honors
- Technology, Engineering and Design Honors
- Technological Design Honors

Curriculum Assistance

- Curriculum Assistance (**SPED Placement ONLY**)

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

This is a listing of the courses projected to be taught at VMCCA for the 2026-2027 school year. Use this list along with the Course Description Guide and Credit Review sheet to complete your registration plan. Consult with your counselors, teachers, and parents to ensure that you have selected appropriate courses for your individual pathway and future success.

All Vernon Malone College and Career Academy graduates are encouraged to complete two levels of Spanish; may elect to take higher levels of Spanish.

Updated: 1/21/26

English

- English I Honors

Math

- Math 1
- Math 1 Honors
- Math 2 Honors
- Math 3 Honors
- AP Pre-calculus

Science

- Earth Science Honors
- Biology Honors – ***Must be registered in Math 2 Honors***

Health and Physical Education

- Healthful Living I Honors

Career Technical Education

- Adobe Visual Design Honors
- AP Computer Science - ***Must have successfully completed Math I***
- Autobody Repair I
- Marketing I
- Microsoft Excel Honors
- Microsoft Word & Power Point Honors
- Microsoft Excel Honors
- Python Programming I Honors
- Technology Engineering and Design Honors

Social Studies

- World History Honors

World Language

- Spanish I Honors
- Spanish II Honors
- Spanish Heritage I Honors
- Spanish Heritage II Honors

Art

- Magnet Art & Design Studio I Honors

***Students starting 9th grade in 2026-2027 must complete one credit of computer science for graduation.**

Please use this document is to help keep students on track for graduation.

CREDIT REVIEW

VERNON MALONE
COLLEGE AND CAREER ACADEMY

FUTURE-READY CORE REQUIREMENTS

Student's Legal Name:		Credits Earned:	Credits Remaining:*
		*A minimum of 22 credits is required to graduate.	

English (4 credits)	☐ English I (HN)	☐ English II (HN)	☐ English III (HN) -OR- ☐ AP English Language	☐ English IV (HN) -OR- ☐ AP English Literature
Mathematics (4 credits)	☐ Math 1 -OR- ☐ Math 1 (HN)	☐ Math 2 (HN)	☐ Math 3 (HN)	☐ Math 4 (HN) -OR- ☐ AP Pre-Calculus -OR- ☐ Discrete Math for Computer Science (HN)
Science (3 credits)	☐ Earth/Env. Sci (HN) -OR- ☐ AP Env. Science	☐ Biology (HN)	☐ Physical Science -OR- ☐ Chemistry (HN) -OR- ☐ Physics (HN)	
Social Studies (4 credits)	☐ World History (HN)	☐ Civic Literacy (HN)	☐ American History (HN) -OR- ☐ AP US History	☐ Economics or Personal Finance Honors (HN) (EPF)
Health & PE (1 credit)	☐ Healthful Living (HN)	**CPR Skill Demonstration** (typically completed in 8th or 9th Grade Healthful Living course - you will be notified by counselor if requirement not met)		
Arts* (1 credit)	☐ _____	*Students starting **9th grade in 2025-2026** must complete one approved credit for graduation in the arts between 6th and 12th grades.		

Electives* (6 credits)	**Required** 2 elective credits of any combination from the following: • Career & Technical Education -OR- • Arts Education -OR- • Second Language* Credit 1_____ Credit 2_____ *2 credits in the same foreign language is highly recommended for 4 year college/university admissions	**WTCC Program Area/Concentration** 1_____ 2_____ 3_____ 4_____

Additional Electives	Credit 1_____	Credit 4_____	Credit 7_____
	Credit 2_____	Credit 5_____	Credit 8_____
	Credit 3_____	Credit 6_____	Credit 9 _____

NC SCHOLARS ELIGIBILITY

☐ All NC Graduation Requirements ☐ 2 credits of a world language ☐ 4 elective credits in a Concentration Area (not the same as the 3 higher level courses)	☐ Unweighted GPA of 3.5 or higher ☐ Chemistry ☐ 3 higher level (Honors or AP) courses taken during the JUNIOR and/or SENIOR yea	Credit 1_____ Credit 2_____ Credit 3_____

VMCCA Motto: Graduating all students on time, college and career ready.

ART EDUCATION

Magnet Art & Design Studio I Honors

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

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 Honors

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 Honors

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

Adobe Visual Design I Honors

1 CREDIT (HN)

Build logos and vector images using features in Adobe Illustrator. Enhance photographs using features in Adobe Photoshop. Produce images to be used in business publications and communications. Gain knowledge and skills for careers in the Adobe Academy pathway. In addition to the standard course requirements for Adobe Visual Design, 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. English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Business and Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: ACP Graphic Design and Illustration Using Adobe Illustrator AND ACP Visual Communication Using Adobe Photoshop MUST PASS BOTH
- Aligned CTE Student Organization: Future Business Leaders of America (FBLA), SkillsUSA, Technology Student Association (TSA)

Adobe Visual Design II Honors

1 CREDIT (HN)

Prerequisite: Adobe Visual Design I Honors

Explore elements that make an exceptional digital and print publications. Create print and digital publications in Adobe InDesign. Train to earn the industry-recognized Adobe Certified Professional InDesign credential. Gain knowledge and skills for careers in the Arts, Entertainment, and Design Career Cluster.

- Aligned Industry Credential: Adobe Certified Professional - Print and Digital Media Publication Using Adobe InDesign
- Aligned CTE Student Organization: Future Business Leaders of America (FBLA), SkillsUSA, Technology Student Association (TSA)

AP Computer Science Principles

1 CREDIT (AP)

Prerequisite: None

In this course, students will develop computational thinking vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course is unique in its focus on fostering student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and the world. It's a recommended that a student in the AP Computer Science Principles course should have successfully completed a first-year high school algebra course with a strong foundation on basic linear functions and composition of functions, and problem-solving strategies that require multiple approaches and collaborative efforts. In addition, students should be able to use a Cartesian (x, y) coordinate system to represents points in a plane. It is important that students and their advisers understand that any significant computer science course builds upon a foundation of mathematical and computational reasoning that will be applied throughout the study of the course.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: None

Autobody Repair I

1 CREDIT

Prerequisite: None

Recommended Maximum Enrollment: 20

* For safety reasons, the recommended enrollment should not exceed 20 students.

Gain an understanding of tools and equipment used in automotive body repair. Develop an understanding of hazardous materials and personal safety. Focus on various hands-on activities used in vehicle body repair. Gain the knowledge, skills, and industry credentials for careers in the Automotive Body Repair pathway.

• Aligned Industry Credential: I-CAR Collision Repair Fundamentals Badge; S/P2 Collision Repair and Refinish Pollution Prevention; S/P2 Collision Repair and Refinish Safety
• Aligned CTE Student Organization: SkillsUSA

Autobody Repair II Honors

1 CREDIT (HN)

Prerequisite: IT35 Automotive Body Repair I

Recommended Maximum Enrollment: 20

*** For safety reasons, the recommended enrollment should not exceed 20 students.**

Explore the talents needed for non-structural vehicle repairs. Focus on hands-on activities involving vehicle trim, hardware, and bolted-in parts replacement. Gain the knowledge, skills, and industry credentials for careers in the Automotive Body Repair pathway.

• **Aligned Industry Credential:** I-CAR Disassembly and Reassembly Badge
• **Aligned CTE Student Organization:** SkillsUSA

CTE Internship Honors

1 CREDIT (HN)

Prerequisite: None

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.

Marketing I

1 CREDIT

Prerequisite: None

This course is designed to introduce students to the dynamic processes and activities in marketing. The experience includes students developing an understanding and skills in the areas of distribution, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students also develop an understanding of marketing functions applications and impact on business operations. English language arts, mathematics, and social studies are reinforced.

- *Work-Based Learning Opportunities:* Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School-Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

Marketing II

1 CREDIT

Prerequisite: Marketing I

In this course, students will apply an understanding of marketing functions and impact of the functions on business decisions. Through problem solving and critical thinking, students will apply knowledge and skills in the areas of customer relations, economics, financial analysis, channel management, marketing- information management, marketing planning, products and services management, and selling. Relative opportunities are available for students to use technology to acquire and use marketing information. English, language arts, and social studies are reinforced.

- *Work Based Learning Opportunities:* Apprenticeship: Yes Business and Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Customer Service and Sales Certification

Microsoft Excel Honors

1 CREDIT (HN)

Prerequisite: None

Students in Microsoft Imagine Academy benefit from world-class Microsoft curriculum and cutting-edge software tools to tackle real-world challenges in the classroom environment. This class is designed to prepare students for successful completion of the Microsoft Office Specialist Excel Core and Excel Expert exams. Successful candidates for the Microsoft Office Specialist Excel certification exam will have a fundamental understanding of the Excel environment and the ability to complete tasks independently. They will know and demonstrate the correct application of the principle features of Excel. Candidates create and edit a workbook with multiple sheets and use a graphic element to represent data visually. Workbook examples include professional-looking budgets, financial statements, team performance charts, sales invoices, and data-entry logs. Expert-level candidates for the Excel exam have an advanced understanding of the Excel environment and have the ability to guide others to the proper use of the program's features. They create, manage, and distribute professional spreadsheets for a variety of specialized purposes and situations. They customize their Excel environments to meet project needs and to enhance productivity. Expert workbook examples include custom business templates, multiple-axis financial charts, amortization tables, and inventory schedules. Career possibilities may include accountants, financial analysts, data analysts, commercial bankers, and others

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Microsoft Office Specialist (MOS), Excel, Excel Expert

Microsoft Word & Power Point Honors

1 CREDIT (HN)

Prerequisite: None

Students enrolled in Microsoft IT Academy courses benefit from the use of world-class Microsoft curriculum and software tools to tackle real-world challenges in the classroom and can apply their skills and knowledge to earn industry-recognized credentials. In this course, students will learn to use the latest versions of Microsoft Word and Microsoft PowerPoint to create, enhance, customize, share, and deliver complex documents and presentations, such as those used in business and industry. Microsoft Publisher, OneNote, and Outlook are supplemental competencies for this course. English language arts are reinforced throughout the course. Work-based learning strategies appropriate for this course include cooperative education, internship, service learning, and job shadowing. Apprenticeships 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. Students enrolled in this course are expected to take the Microsoft Office Specialist (MOS) certification exam for Microsoft Word and Microsoft PowerPoint. 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 the Microsoft Office Specialist (MOS) certification exams for Microsoft Word and Microsoft PowerPoint.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Microsoft Office Specialist (MOS) in Word and/or PowerPoint Affiliated CTE Student Organization: Future Business Leaders of America (FBLA)

Python Programming I Honors

1 CREDIT

Prerequisite: None

This course is designed to introduce Python as a beginning course (not intended for experienced programmers). The course is designed for students to learn and practice coding in an online environment that requires only a modern web browser and Internet connection. No special software is required to complete this course. The course includes video content, practice labs, and coding projects. Mathematics is reinforced.

- Work-Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: Yes Internship: No Job Shadowing: Yes Mentorships: Yes School-Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

Python Programming II Honors

1 CREDIT (HN)

Prerequisite: Python Programming I

Design, write, debug, and run programs encoded in the Python language. Formulate program using Internet of Things (IoT) programs. Develop stories utilizing data sets, visualizations, and Python programming. Gain the knowledge and skills for careers in the Python Programming pathway.

- Work-Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: Yes Internship: No Job Shadowing: Yes Mentorships: Yes School-Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

Technology Engineering and Design Honors

1 CREDIT (HN)

Prerequisite: None

This course prepares students to understand and apply technological concepts and processes that are the cornerstone for the high school technology program. Group and individual activities engage students in creating ideas, developing innovations, and engineering practical solutions. Technology content, resources, and laboratory/classroom activities apply student applications of science, mathematics, and other school subjects in authentic situations. This course focuses on the three dimensions of technological literacy knowledge, ways of thinking and acting, and capabilities with the goal of students developing the characteristics of technologically literate citizens. It employs teaching/learning strategies that enable students to explore and deepen their understanding of "big ideas" regarding technology and makes use of a variety of assessment instruments to reveal the extent of understanding.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None
- Aligned Career Technical Student Organization: Technology Student Association (TSA)

Technological Design Honors

1 CREDIT (HN)

Prerequisite: TE11 Technology Engineering and Design Honors

Explore engineering through energy, manufacturing, and other industries. Fabricate prototypes to test design concepts. Engineer a solution to a problem in a community. Gain the knowledge and skills for careers in the Technology Engineering and Design pathway. In addition to the standard course requirements for Technological Design, 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.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None
- Aligned Career Technical Student Organization: technology Student Association (TSA)

ENGLISH

Advanced Placement (AP) English Language and Composition

1 CREDIT (AP)

Prerequisite: English II, Honors-level recommended

This college-level course provides an analytical and historical study of American literature and language as well as other literature in a comprehensive program of reading, writing, and critical thinking. It fulfills the NC graduation requirement for English III. As preparation to take the Advanced Placement Test in Language and Composition, students read, discuss, analyze, and write about challenging works of recognized literary merit to develop honest, concise, and effective use of language and the ability to organize ideas in a clear, coherent, and persuasive way. Independent literary analysis and a total mastery of writing skills are goals of the course. Because this course meets the needs of academically gifted or highly motivated advanced students who hope to bypass introductory courses in composition and literature when they enter college, students in an AP course should expect assignments and instruction paced at the college level. Students enrolled in this course are expected to take The College Board Advanced Placement Test.

Advanced Placement (AP) Literature and Composition

1 CREDIT (AP)

Prerequisite: English III, honors-level recommended

This college-level course provides an analytical and historical study of British and world literature in a comprehensive program of reading, writing, and critical thinking. It fulfills the NC graduation requirement for English III. As preparation to take the Advanced Placement Test in Literature and Composition, students read, discuss, analyze, and write about challenging works of recognized literary merit to develop honest, concise, and effective use of language and the ability to organize ideas in a clear, coherent, and persuasive way. Independent literary analysis and a total mastery of writing skills are the goals of the course. Because this course meets the needs of academically gifted or highly motivated advanced students who hope to bypass introductory courses in composition and literature when they enter college, students in an AP course should expect assignments and instruction paced at the college level. Students enrolled in this course are expected to take The College Board Advanced Placement test.

English I Honors

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.

English II Honors

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.

English III Honors

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.

English IV Honors

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.

WORLD LANGUAGE

Spanish I Honors

1 CREDIT

The Level 1 Modern Languages course is the first in a multi-course sequence of communicative, proficiency-based courses. In Level 1, students learn the foundations of the language's vocabulary and structures in order to communicate in simple sentences on simple topics related to basic, necessary skills in the target language. Classes are conducted primarily in the target language with a strong focus on comprehensible input at a level appropriate for novice learners. Activities focus on students' abilities to perform in the interpersonal, interpretive, and presentational modes with a strong focus on target culture literacy. As in all courses in modern language sequence, the goal is that students will be able to use what they have learned now and in the future. Students who successfully complete the course will demonstrate Novice Mid proficiency or above. Typical topics in level one courses include personal identity, family, and activities in the community.

Spanish II Honors

1 CREDIT

Recommended prerequisite(s): Spanish I

The Level 2 Modern Languages course is the second in a multi-course sequence of communicative, proficiency-based courses. In Level 2, students build on the linguistic foundations which they studied in Level 1. Students continue building on the foundation from Level 1, communicating in increasingly more complex situations and with greater depth. Classes are conducted primarily in the target language with a strong focus on comprehensible input at an appropriate level for novice learners, with added complexity compared to Level 1. Activities Focus on students' abilities to perform in the interpersonal, interpretive, and presentational modes with a strong focus on target culture literacy. Students who successfully complete the course will demonstrate Novice High proficiency or above. Typical topics in level two courses include travel survival skills, entertainment, childhood, and daily life around the world.

Spanish III Honors

1 CREDIT (HN)

Recommended prerequisite(s): Spanish II

The Level 3 Modern Languages course is the third in a multi-course sequence of communicative, proficiency-based courses. The Level 3 course builds upon the many ideas, themes, and structures learned in Levels 1 and 2 for students to communicate in complex, higher-level sentences on a variety of topics, both familiar and new. Classes are conducted primarily in the target language with a strong focus on comprehensible input at an appropriate level for intermediate learners, with added complexity and elaboration compared to Levels 1 and 2. Activities focus on students' abilities to perform in the interpersonal, interpretive, and presentational modes with a strong focus on target culture literacy. Students who successfully complete the course will demonstrate Intermediate Low proficiency or above. Topics in Level 3 will vary, but leverage increasing language skills to examine the world on a global scale with themes that lay the foundation for courses such as AP/IB.

Spanish Heritage I Honors

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 Heritage II Honors

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 students 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 (1poi

HEALTH & PHYSICAL EDUCATION

Healthful Living I Honors

1 CREDIT (HN)

The completion of Healthful Living I meets the North Carolina high school graduation requirement for Healthful Living. The Honors Healthful Living I course presents high-rigor learning opportunities to meet 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 go beyond the standard Healthful Living I offering using student-led project coursework which demands higher-level knowledge of Physical Education principles. Health components go beyond the standard Health Education offering by blending neuroscientific principles with behavioral health concepts.

Team Sports

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 on skill development, officiating, game strategies, and leadership.

Weight Training and Conditioning I

1 CREDIT

Recommended prerequisite(s) Healthful Living I

This course is designed for the novice weight-training student. It involves introductory techniques of weight training and cardiovascular conditioning, safety precautions, and injury prevention, and other methods of weight management. The major focuses are general muscle toning and achieving total fitness. The development of a personal fitness program is a part of this course.

MATH

AP Calculus

1 CREDIT (AP)

Recommend prerequisite: Mastery of the Pre-Calculus Honors curriculum

The AP Calculus curriculum includes limits, continuity, derivatives with applications, and elementary integration with applications. This is a college-level course. Use of computers and graphing calculators play an important role in this course. For each session of classroom instruction the student is expected to spend, as a minimum, an equal amount of time outside the classroom for review, written assignments, and preparation. It is expected that students enrolled in this course will take the College Board Advanced Placement Exam. This course is accepted as the fourth math for admission to UNC System institutions.

AP Pre-Calculus

1 CREDIT (AP)

Recommended prerequisite: Math III Honors

The Pre-Calculus 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.

Discrete Mathematics for Computer Science Honors

1 CREDIT (HN)

Recommended prerequisite(s): Math 4 Honors or Pre-calculus Honors

The purpose of this course is to introduce discrete structures that are the backbone of computer science. Discrete mathematics is the study of mathematical structures that are countable or otherwise distinct and separable. The mathematics of modern computer science is built almost entirely on discrete mathematics, such as logic, combinatorics, proof, and graph theory. At most universities, an undergraduate-level course in discrete mathematics is required for students who plan to pursue careers as computer programmers, software engineers, data scientists, security analysts and financial analysts. Students will be prepared for college level algebra, statistics, and discrete mathematics courses.

Math 1

1 CREDIT

Recommended prerequisite: 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.

Math 1 Honors

1 CREDIT (HN)

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. *Honors NC Math 1 explores content at a highly rigorous level to begin students' preparation for advanced math courses. Students are expected to be able to appropriately explain and justify their solution process through both verbal and written formats.* This course fulfills the North Carolina high school graduation requirement for NC Math 1. The final exam is the North Carolina End-of-Course Test based on the NC Math 1 Standards.

Math 2 Honors

1 CREDIT (HN)

Recommended prerequisite: 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.

Math 3 Honors

1 CREDIT (HN)

Recommended prerequisite: Math II Honors

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.

Math 4 Honors

1 CREDIT (HN)

Recommended prerequisite: Math III Honors

The primary focus of this course is on functions and statistical thinking, continuing the study of algebra, functions, trigonometry and statistical concepts previously experienced in NC Math 1-3. The course is designed to be a capstone to introductory statistical concepts. Additionally, the course intentionally integrates concepts from algebra and functions to demonstrate the close relationship between algebraic reasoning as applied to the characteristics and behaviors of more complex functions. In many cases, undergraduate students majoring in non-STEM fields will take an entry-level Algebra or Introductory Statistics course. Students will be prepared for college level algebra and statistics or as a bridge to prepare students for Pre-calculus or other advanced math courses. This course is accepted as the fourth math for admission to UNC System institutions.

SCIENCE

AP Biology

1 CREDIT (AP)

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

(Important Note: Students without a valid Biology EOC score or code will be expected to participate in the State EOC administration when enrolling in AP or IB 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 AP Exam.

Advanced Placement Environmental Science

1 CREDIT (AP)

Recommended prerequisite: 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.

Biology Honors

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.

Chemistry Honors

1 CREDIT (HN)

Recommended prerequisite: NC Math 3 Honors or concurrent enrollment in Math 3 Honors

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.

Earth/Environmental Science Honors

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 thorough the earth systems. Laboratory work is a major component of the course.

Physics Honors

1 CREDIT (HN)

Recommended prerequisite: NC Math 3 Honors or concurrent enrollment in NC Math 3 Honors

Students develop a general understanding of the mathematical and motion-oriented study of matter and energy. Mechanics, heat, light, electricity, magnetism, gravity, and nuclear energy are the major topics of study. Students who wish to study these topics in detail should take Honors Physics. Honors Physics is the in-depth mathematical and motion-oriented study of matter and energy. It provides an understanding of the physical principles and laws dealing with mechanics, heat, light, electromagnetism, and nuclear energy. Students are provided various laboratory experiences that are designed to enhance and reinforce concepts and principles in physics.

Physical Science

1 CREDIT

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.

SOCIAL STUDIES

World History Honors

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.

Founding Principles of the USA and NC: Civic Literacy Honors

1 CREDIT (HN)

Civic Literacy is the study and understanding of citizenship and government. Through the Inquiry-based C3 Framework, this one-semester course provides students with a sound understanding of civic life, politics, and government, including a short history of government's foundation and development in the United States of America. Students learn how power and responsibility are shared and limited by the government, the impact American politics has on world affairs, law in the American constitutional system, and the rights that the American government guarantees its citizens. Students also examine how the world is organized politically and how to be an active participant in the American and global political systems. Students will study the foundations of American democracy and the origins of American government. The roles of political parties, campaigns & elections, public opinion, and the media will be analyzed to determine their effects on the individual and all who call the United States home. *Note, this is a draft description and subject to change.*

American History Honors

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.

-OR-

Advanced Placement United State History

1 CREDIT (AP)

This course is designed to encourage students to become apprentice historians who are able to use historical facts and evidence in the service of creating deeper conceptual understandings of critical developments in US history. The curriculum of the course centers around four types of historical thinking skills: chronological reasoning, comparison and contextualization, crafting historical arguments from historical evidence, and historical interpretation and synthesis. Students will explore seven themes throughout this course: identity; work, exchange, and technology; peopling; politics and power; America in the world; environment and geography – physical and human; and ideas, beliefs, and culture. Students enrolled in this course are expected to take the College Board Advanced Placement test.

Economics and Personal Finance Honors

1 CREDIT (HN)

This full credit course will focus on economics and personal l finance, examining basic concepts on economic principles and personal financial literacy components in addition to planning and paying for postsecondary education.