

WCPSS Course Offerings



W | **NORTH WAKE**
COLLEGE & CAREER ACADEMY

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Wake Forest, NC 27587

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WAKE COUNTY
PUBLIC SCHOOL SYSTEM

WCPSS Course Offerings

(Course Descriptions pp. 5-20)

English Course Selections

English I (Honors)	10215X0
English II (Honors)	10225X0
English III (Honors)	10235X0
AP English Language and Composition	1A007X0
English IV (Honors)	10245X0
AP English Literature and Composition	1A017X0
Yearbook I	10312X0A

Mathematics Course Selections

NC Math 1 (Honors)	21095X0
NC Math 2 (Honors)	22095X0
NC Math 3 (Honors)	23095X0
Pre-Calculus (Honors)	24035X0
Advanced Functions and Modelling	24002X0
AP Calculus AB	2A007X0

Science Course Selections

Earth/Environmental Science (Honors)	35015X0
Biology (Honors)	33205X0
Chemistry (Honors)	34205X0
Physical Science	34102X0
AP Environmental Science	3A027X0
AP Chemistry	3A017X0

Social Studies Course Selections

World History (Honors)	43035X0
American History 1(Honors)	43045X0
American History 2 (Honors)	43055X0
American History: Founding Principles, Civics and Economics (Honors)	42095X0
AP Psychology	4A057X0
AP United States History	4A077X0

Healthful Living Course Selections

Healthful Living I	60492X0
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World Language Course Selections

Spanish I	11412X0
Spanish II	11422X0
Spanish III (Honors)	11435X0
Spanish IV (Honors)	11445X0

Arts Education Course Selections

Visual Arts - Beginning	54152X0A
Visual Arts - Intermediate	54162X0A
Sculpture/Ceramics – Visual Art Specialization (Intermediate)	54622X0B

Special Education Courses

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

WCPSS Career Technical Education Course Selections

Arts, A/V Technology, & Communications

Cluster Foundation Courses (3+ 1w/*)

Adobe Digital Design Honors*	II325X0
Adobe Video Design Honors*	II335X0
Adobe Visual Design Honors	II315X0
Entrepreneurship 1 Honors* (Prerequisite: POB or Marketing)	ME115X0
Marketing	MM515X0
Microsoft Word & PowerPoint Honors	BM105X0

Cluster Enhancement Courses (Up to 1)

Microsoft Excel Honors	BM205X0
Personal Finance	BF055X0
Principles of Business	BF105X0

Business Management & Administration

Cluster Foundation Courses (3+ 1w/*)

Entrepreneurship 1 Honors* (Prerequisite: POB or Marketing)	ME115X0
Microsoft Excel Honors (Recommended Prerequisite: Math 1)	BM205X0
Microsoft Word & PowerPoint Honors	BM105X0
Principles of Business	BF105X0

Cluster Enhancement Courses (Up to 1)

Marketing	MM515X0
Personal Finance	BF055X0

Hospitality & Tourism

Cluster Foundation Courses (3+ 1w/*)

Entrepreneurship 1 Honors* (Prerequisite: POB or Marketing)	ME115X0
Hospitality & Tourism Honors* (Prerequisite: Marketing or SEM 1)	MH425X0
Marketing	MM515X0
Principles of Business	BF105X0
Sports & Entertainment Marketing 1	MH315X0
Sports & Entertainment Marketing 2 Honors* (Prerequisite: SEM 1)	MH325X0

Cluster Enhancement Courses (Up to 1)

Microsoft Excel Honors	BM205X0
Microsoft Word & PowerPoint Honors	BM105X0
Personal Finance	BF055X0

Marketing

Cluster Foundation Courses (3+ 1w/*)

Entrepreneurship 1 Honors* (Prerequisite: POB or Marketing)	ME115X0
Marketing	MM515X0
Principles of Business	BF105X0

Cluster Enhancement Courses (Up to 1)

Hospitality & Tourism Honors* (Prerequisite: Marketing or SEM 1)	MH425X0
Microsoft Excel Honors	BM205X0
Microsoft Word & PowerPoint Honors	BM105X0
Personal Finance	BF055X0

Wake Technical Community College Course Offerings By Program of Study

(Course Descriptions pp. 21-26)

Business Administration

BUS-110: Introduction to Business
BUS-139: Entrepreneurship I
BUS-137: Principles of Management
BUS-153: Human Resources Management
BUS-230: Small Business Management
BUS-240: Business Ethics
BUS-255: Organizational Behavior in Business
MKT-120: Principles of Marketing

Culinary Arts

CUL-110: Sanitation and Safety<<
CUL-112: Nutrition for Food Service<<
CUL-130: Menu Design<<
CUL-140: Culinary Skills I<<
CUL-160: Baking I<<
CUL-170: Garde Manger I<<
CUL-240: Culinary Skills II<<
HRM-245: Human Resource Management Hospitality<<

Early Childhood Education

EDU-119: Introduction to Early Childhood Education
EDU-131: Child, Family, and Community<<
EDU-144: Child Development I<<
EDU-145: Child Development II<<
EDU-146: Child Guidance<<
EDU-151: Creative Activities<<
EDU-153: Health, Safety and Nutrition<<
EDU-221: Children with Exceptionalities<<
EDU-234: Infants, Toddlers, and Twos<<

Emergency Medical Science

BIO-168: Anatomy and Physiology I<<
BIO-169: Anatomy and Physiology II<<
EMS-110A: EMT-Basic Part 1<<
EMS-110B: EMT-Basic Part 2<<

Information Technology (IT)

CTS-272 A: Desktop Support Applications<<
CTS-272 B: Desktop Support Applications<<
CTS-120: Hardware/Software Support<<
CTS-220: Advanced Hardware/Software Support<<
NOS-130: Windows Single User<<
NOS-230: Windows Administration 1<<
NOS-110: Operating Systems Concepts

<< Wake Tech Courses with Prerequisites

WCPSS Course Descriptions

English Course Selections

ENGLISH I (HONORS) 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.	10215X0	1 Credit (HN)
ENGLISH II (HONORS) 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.	10225X0	1 Credit (HN)
ENGLISH III (HONORS) 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.	10235X0	1 Credit (HN)
ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION 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.	1A007X0	1 Credit (AP)
ENGLISH IV (HONORS) Prerequisite: English III 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 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.	10245X0	1 Credit (HN)
ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION 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 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.	1A017X0	1 Credit (AP)
YEARBOOK I Recommended prerequisite(s): Application and teacher recommendation The introductory yearbook course offers the student total involvement in the production of the school yearbook. Activities include advertising, layout planning, photography, copy writing, and proofing.	10312X0A	1 Credit

Mathematics Course Selections

NC MATH 1 HONORS

121092X0

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 NC Math 1. The final exam is the North Carolina End-of-Course Test based on the NC Math 1 Standards.

NC MATH 2 (HONORS)

22095X0

1 Credit (HN)

Recommended prerequisite(s): NCMath1

In NC Math 2, 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 NC Math 1. 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 inverse variation and square root 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 NC Math 2 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 NC Math 2 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 standard, 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 NC Math 2. The final exam is the North Carolina Final Exam for Math 2.

NC MATH 3 (HONORS)

23095X0

1 Credit (HN)

Recommended prerequisite(s): Honors NC Math 2

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 logarithmic, polynomial, rational, absolute value, piecewise, and trigonometric functions, including an intense study of families of functions and the relationships therein. They expand their study of right triangle trigonometry to include 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. Honors NC Math 3 explores content at a rigorous level to prepare students for advanced math courses. 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 NC Math 3. The final exam is the North Carolina Final Exam for Math 3.

ADVANCED FUNCTIONS AND MODELING

24002X0

1 Credit

Recommended prerequisite(s): NC Math 3

Advanced Functions and Modeling provides students an in-depth study of modeling and applying functions, probability, statistics, trigonometry, financial literacy. Appropriate technology, from manipulatives to calculators and application software, are used regularly for instruction and assessment. Advanced Functions and Modeling is not an honors level course. This course is accepted as the fourth math for admission to UNC System institutions.

PRECALCULUS (HONORS)

24035X0

1 Credit (HN)

Recommended prerequisite(s): Honors NC Math 3

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.

ADVANCED PLACEMENT CALCULUS: AB

2A007X0

1 Credit (AP)

Recommended prerequisite(s): Mastery of the Precalculus 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.

Science Course Selections

EARTH SCIENCE/ENVIRONMENTAL SCIENCE (HONORS)	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.		
BIOLOGY (HONORS)	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.		
CHEMISTRY (HONORS)	34205X0	1 Credit (HN)
Recommended prerequisite(s): NC Math 3 or concurrent enrollment in NC Math 3 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.		
PHYSICAL SCIENCE	34102X0	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.		
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.		
ADVANCED PLACEMENT CHEMISTRY	3A017X0	1 Credit (AP)
Recommended prerequisite(s): NC Math 3 and Chemistry/Honors Chemistry Students study the basic principles and concepts covered in an introductory "General Chemistry" college-level course. Topics include chemical composition, stoichiometry, atomic structure, bonding, molecular structure, chemical reactions, states of matter, and solutions. It is expected that students enrolled in this course will take the College Board Advanced Placement Test.		

Social Studies Courses

WORLD HISTORY (HONORS)	43035X0	1 Credit (HN)
This course will address six periods in the study of world history, with a key focus of study from the mid-15 th 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 (HONORS)	43045X0	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 II (HONORS)	43055X0	1 Credit (HN)
Recommended prerequisite: American History I 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: FOUNDING PRINCIPLES, CIVICS AND ECONOMICS (HONORS) **42095X0** **1 Credit (HN)**
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.

ADVANCED PLACEMENT PSYCHOLOGY **4A057X0** **1 Credit (AP)**
Students study the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major sub fields within psychology. The study of psychology enables students to recognize and cope with uncertainty and ambiguity in human behavior. Substantial out-of-class reading, writing, and research are expected. Students enrolled in this course are expected to take the College Board Advanced Placement test.

ADVANCED PLACEMENT UNITED STATES HISTORY **4A077X0** **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

Healthful Living Courses

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.

World Language Courses

SPANISH I **11412X0** **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 the modern languages 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 **11422X0** **1 Credit**
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) **11435X0** **1 Credit (HN)**
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 in order 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 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, and 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.

Arts Education Courses

VISUAL ARTS - BEGINNING**54152X0A****1 Credit**

This course introduces the elements and principles of design through an exploration of a broad range of media. Activities emphasize skills and techniques in the following areas: drawing, painting, graphics, fibers, ceramics, art history, and three-dimensional design (fibers, ceramics, etc.).

VISUAL ARTS - INTERMEDIATE**54162X0A****1 Credit****Recommended prerequisite(s): Visual Arts - Beginning or portfolio**

This course offers an in-depth study of design through repeated use of art elements and principles, while expanding technical abilities. Design is taught through experiences in the following areas: drawing and painting, art history printmaking (silk screening, lino cuts and/or woodcuts), and three-dimensional design (wood, clay, fibers).

SCULPTURE/CERAMICS - VISUAL ART SPECIALIZATION**54622X0B****1 Credit****Recommended prerequisite(s): Visual Arts - Beginning or portfolio**

Students begin to develop their knowledge and technical abilities in three-dimensional design through the medium of clay and other sculptural materials. Various types of clay construction and glazing techniques are explored. Emphasis will be placed on technique, originality, planning and organizing three dimensional compositions.


Special Education Courses

CURRICULUM ASSISTANCE (9)**96102X0L****1 Credit****CURRICULUM ASSISTANCE (10)****96102X0M****1 Credit****CURRICULUM ASSISTANCE (11)****96102X0Q****1 Credit****CURRICULUM ASSISTANCE (12)****96102X0R****1 Credit****CURRICULUM ASSISTANCE (CA)**

This course is a program option designed for students receiving special education services who spend the majority of their day in the general education classroom. The goal is to provide the support necessary for the students to be successful in general education. The three main components of CA are tutorial, remedial, and study skills instruction. The student is taught to organize materials, take notes, take tests, proofread, follow directions, use reference materials, and apply these skills in classroom situations.

Career Technical Education Courses

ARTS, AV TECHNOLOGY, & COMMUNICATIONS

Pathways	 Arts, A/V Technology & Communications				Cluster Enhancement Courses
Audio & Video Technology & Film Printing Technology		BD10 Multimedia and Webpage Design II31 Adobe Visual Design	II32 Adobe Digital Design* II33 Adobe Video Design*	CS95 CTE Advanced Studies	CC45 Career Management BM20 Microsoft Excel FC11 Principles of Family and Human Services F151 Interior Design I
Visual Arts	BM10 Microsoft Word & PowerPoint MM51 Marketing MI21 Fashion Merchandising TS24 Digital Design & Animation	FA31 Apparel and Textile Production I TS31 Game Art Design* CS11 Project Management I	FA32 Apparel and Textile Production II* TS32 Advanced Game Art Design CS12 Project Management II	ME11 Entrepreneurship I CS95 CTE Advanced Studies	BF10 Principles of Business & Finance BF05 Personal Finance CS96 CTE Apprenticeship CS97 CTE Internship

CLUSTER FOUNDATION COURSES

MICROSOFT WORD & POWERPOINT

BM102X0

1 Credit

Prerequisite: None

Students enrolled in Microsoft Imagine Academy courses benefit from the use of world-class Microsoft curriculum and software tools to tackle real-world challenges in the classroom and have the opportunity to 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. Content in this course aligns with the following industry-recognized credential(s): Microsoft Office Specialist in Word, Microsoft Office Specialist in Power Point.

MICROSOFT WORD & POWER POINT (HONORS)

BM105X0

1 Credit (HN)

Prerequisite: None

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 exams for Microsoft Word and Microsoft PowerPoint

MARKETING

MM512X0

1 Credit

Prerequisite: None

In this course, students develop an understanding of the processes involved from the creation to the consumption of products/services. Students develop an understanding and skills in the areas of distribution, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students develop an understanding of marketing functions applications and impact on business operations. Mathematics and social studies are reinforced.

ADOBE VISUAL DESIGN

II312X0

1 Credit

Prerequisite: None

This course is a project-based course that develops ICT, career, and communication skills in print and graphic design using Adobe tools. This course is aligned to Adobe Photoshop, InDesign, and Illustrator certification. English language arts are reinforced.

ADOBE VISUAL DESIGN HONORS **II315X0** **1 Credit**

Prerequisite: None

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.

ADOBE DIGITAL DESIGN* **II322X0** **1 Credit**

Prerequisite: II31 Adobe Visual Design

This course is a project-based course that develops ICT, career, and communication skills in Web design using Adobe tools. This course is aligned to Adobe Dreamweaver and Flash certification. English language arts are reinforced.

ADOBE DIGITAL DESIGN HONORS* **II325X0** **1 Credit**

Prerequisite: II31 Adobe Visual Design

In addition to the standard course requirements for Adobe Digital 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.

ADOBE VIDEO DESIGN* **II332X0** **1 Credit**

Prerequisite: II31 Adobe Visual Design

This course is a project-based video course that develops career and communication skills in video production using Adobe tools. This course is aligned to Adobe Premiere certification. English language arts are reinforced.

ADOBE VIDEO DESIGN HONORS* **II335X0** **1 Credit**

Prerequisite: II31 Adobe Visual Design

In addition to the standard course requirements for Adobe Video 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.

ENTREPRENEURSHIP I* **ME112X0** **1 Credit**

Prerequisite: Marketing or Personal Finance or Principles of Business and Finance

Recommended for Grades 10-12

In this course students evaluate the concepts of going into business for themselves and working for or operating a small business. Emphasis is on the exploration of feasible ideas of products/services, research procedures, business financing, marketing strategies, and access to resources for starting a small business. Students develop components of a business plan and evaluate startup requirements. English language arts and social studies are reinforced throughout the course. Work-based learning strategies appropriate for this course include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. DECA (an association for Marketing Education students) and Future Business Leaders of America (FBLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

ENTREPRENEURSHIP I (HONORS)* **ME115X0** **1 Credit (HN)**

Prerequisite: Marketing or Personal Finance or Principles of Business and Finance

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. 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.

CLUSTER ENHANCEMENT COURSES

MICROSOFT EXCEL **BM205X0** **1 Credit**

Prerequisite: None

Students enrolled in Microsoft Imagine Academy courses benefit from the use of world-class Microsoft curriculum and software tools to tackle real-world challenges in the classroom and have the opportunity to apply their skills and knowledge to earn industry-recognized credentials. In this course, students will learn to use the latest versions of Microsoft Excel to analyze, manipulate, and present various types of data and Microsoft Access to create, modify, and locate information, as well as how to create programmable elements and share and distribute database information. Mathematics is reinforced throughout the course. Work-based learning strategies appropriate for this course include cooperative education, internship, service learning, and job shadowing. Apprenticeship is 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. Content in this course aligns with the following industry-recognized credential(s): Microsoft Office Specialist in Excel, Microsoft Office Specialist in Access.

MICROSOFT EXCEL (HONORS)**BM205X0****1 Credit (HN)****Prerequisite: None**

In addition to the standard course requirements for Microsoft Excel & Access, 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 Excel and Microsoft Access.


PRINCIPLES 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. 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.

PERSONAL FINANCE**BF052X0****1 Credit****Prerequisite: None**

This course prepares students to understand economic activities and challenges of individuals and families, the role of lifestyle goals in education and career choices, procedures in a successful job search, financial forms used in independent living, and shopping options and practices for meeting consumer needs. The course also prepares students to understand consumer rights, responsibilities, and information, protect personal and family resources, and apply procedures for managing personal finances. English language arts and mathematics are reinforced.

BUSINESS MANAGEMENT & ADMINISTRATION

Pathways	 Business Management & Administration				Cluster Enhancement Courses
General Management	BF10 Principles of Business & Finance BM10 Microsoft Word & PowerPoint BM20 Microsoft Excel	BA10 Accounting I CS11 Project Management I	BB40 Business Management * BB30 Business Law* ME11 Entrepreneurship I* BB50 IB Business Management* BF20 Business Financial Planning* CS12 Project Management II*	ME12 Entrepreneurship II CS95 CTE Advanced Studies	CC45 Career Management BD10 Multimedia and Webpage Design MM51 Marketing ^ MU92 Strategic Marketing BF05 Personal Finance CS96 CTE Apprenticeship CS97 CTE Internship

CLUSTER FOUNDATION COURSES

PRINCIPLES 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. 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.

MICROSOFT WORD & POWERPOINT

BM102X0

1 Credit

Prerequisite: None

Students enrolled in Microsoft Imagine Academy courses benefit from the use of world-class Microsoft curriculum and software tools to tackle real-world challenges in the classroom and have the opportunity to 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. Content in this course aligns with the following industry-recognized credential(s): Microsoft Office Specialist in Word, Microsoft Office Specialist in Power Point.

MICROSOFT WORD & POWER POINT (HONORS)

BM105X0

1 Credit (HN)

Prerequisite: None

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 exams for Microsoft Word and Microsoft PowerPoint

MICROSOFT EXCEL

BM205X0

1 Credit

Prerequisite: None

Students enrolled in Microsoft Imagine Academy courses benefit from the use of world-class Microsoft curriculum and software tools to tackle real-world challenges in the classroom and have the opportunity to apply their skills and knowledge to earn industry-recognized credentials. In this course, students will learn to use the latest versions of Microsoft Excel to analyze, manipulate, and present various types of data and Microsoft Access to create, modify, and locate information, as well as how to create programmable elements and share and distribute database information. Mathematics is reinforced throughout the course. Work-based learning strategies appropriate for this course include cooperative education, internship, service learning, and job shadowing. Apprenticeship is 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. Content in this course aligns with the following industry-recognized credential(s): Microsoft Office Specialist in Excel, Microsoft Office Specialist in Access.

MICROSOFT EXCEL (HONORS)**BM205X0****1 Credit (HN)****Prerequisite: None**

In addition to the standard course requirements for Microsoft Excel & Access, 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 Excel and Microsoft Access.

ENTREPRENEURSHIP I***ME112X0****1 Credit****Prerequisite: Marketing or Personal Finance or Principles of Business and Finance****Recommended for Grades 10-12**

In this course students evaluate the concepts of going into business for themselves and working for or operating a small business. Emphasis is on the exploration of feasible ideas of products/services, research procedures, business financing, marketing strategies, and access to resources for starting a small business. Students develop components of a business plan and evaluate startup requirements. English language arts and social studies are reinforced throughout the course. Work-based learning strategies appropriate for this course include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. DECA (an association for Marketing Education students) and Future Business Leaders of America (FBLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

ENTREPRENEURSHIP I (HONORS)***ME115X0****1 Credit (HN)****Prerequisite: Marketing or Personal Finance or Principles of Business and Finance****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. 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.


CLUSTER ENHANCEMENT COURSES**MARKETING****MM512X0****1 Credit****Prerequisite: None**

In this course, students develop an understanding of the processes involved from the creation to the consumption of products/services. Students develop an understanding and skills in the areas of distribution, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students develop an understanding of marketing functions applications and impact on business operations. Mathematics and social studies are reinforced.

PERSONAL FINANCE**BF052X0****1 Credit****Prerequisite: None**

This course prepares students to understand economic activities and challenges of individuals and families, the role of lifestyle goals in education and career choices, procedures in a successful job search, financial forms used in independent living, and shopping options and practices for meeting consumer needs. The course also prepares students to understand consumer rights, responsibilities, and information, protect personal and family resources, and apply procedures for managing personal finances. English language arts and mathematics are reinforced.

HOSPITALITY & TOURISM

Pathways	 Hospitality & Tourism				Cluster Enhancement Courses
Restaurants & Food/Beverage Service	FN41 Food and Nutrition I	FH20 Introduction to Culinary Arts & Hospitality FH71 ProStart I FN42 Food and Nutrition II*	FH21 Culinary Arts & Hospitality I FH72 ProStart II*	FH22 Culinary Arts & Hospitality II* CS95 CTE Advanced Studies	CC45 Career Management BD10 Multimedia & Webpage Design BM10 Microsoft Word & PowerPoint BM20 Microsoft Excel
Travel & Tourism	BF10 Principles of Business & Finance MH31 Sports & Entertainment Marketing I MM51 Marketing	MH32 Sports & Entertainment Marketing II* MH42 Hospitality and Tourism*	ME11 Entrepreneurship I CS11 Project Management I	ME12 Entrepreneurship II CS12 Project Management II CS95 CTE Advanced Studies	AU11 Agricultural Production & Management I AA31 Equine Science I BF05 Personal Finance CS96 CTE Apprenticeship CS97 CTE Internship FC11 Principles of Family and Human Services

CLUSTER FOUNDATION COURSES

PRINCIPLES 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. 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.

SPORTS AND ENTERTAINMENT MARKETING I

MH312X0

1 Credit

Prerequisite: None

In this course, students are introduced to the industry of sports, entertainment, and event marketing. Students acquire transferable knowledge and skills among related industries for planning sports, entertainment, and event marketing. Topics included are branding, licensing, and naming rights; business foundations; concessions and on-site merchandising; economic foundations; human relations; and safety and security. Mathematics and social studies are reinforced throughout the course. Work-based learning strategies appropriate for this course include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. DECA (an association for Marketing Education students) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

MARKETING

MM512X0

1 Credit

Prerequisite: None

In this course, students develop an understanding of the processes involved from the creation to the consumption of products/services. Students develop an understanding and skills in the areas of distribution, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students develop an understanding of marketing functions applications and impact on business operations. Mathematics and social studies are reinforced.

SPORTS AND ENTERTAINMENT MARKETING II* **MH322X0** **1 Credit**
Prerequisite: Sports and Entertainment Marketing I
In this course, students will develop a deeper understanding of sports, entertainment, and event marketing. Emphasis is on business management, career development, client relations, contracts, ethics, event management, facilities management, legal issues, and sponsorships. Mathematics and social studies are reinforced throughout the course. Work-based learning strategies appropriate for this course include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. DECA (an association for Marketing Education students) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Content in this course aligns with the following industry-recognized credential(s): Customer Service and Sales Certification.

SPORTS AND ENTERTAINMENT MARKETING II (HONORS)* **MH325X0** **1 Credit (HN)**
Prerequisite: Sports and Entertainment Marketing I
In addition to the standard course requirements for Sports and Entertainment Marketing 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. 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.

HOSPITALITY AND TOURISM* **MH422X0** **1 Credit**
Prerequisite: Marketing or Sports and Entertainment Marketing I
Recommended for Grades 10-12
In this course, students are introduced to the industry of travel, tourism, and recreational marketing. Students acquire knowledge and skills on the impact of tourism, marketing strategies of the major hospitality and tourism segments, destination, and customer relations. Emphasis is on career development, customer relations, economics, hospitality and tourism, travel destinations, and tourism promotion. Mathematics and social studies are reinforced throughout the course. Work-based learning strategies appropriate for this course include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. DECA (an association for Marketing Education students) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Content in this course aligns with the following industry-recognized credential(s): Certified Guest Service Professional (CGSP)

HOSPITALITY AND TOURISM (HONORS)* **MH425X0** **1 Credit (HN)**
Prerequisite: Marketing or Sports and Entertainment Marketing I
Recommended for Grades 10-12
In addition to the standard course requirements for Hospitality and Tourism, 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.

ENTREPRENEURSHIP I **ME112X0** **1 Credit**
Prerequisite: Marketing or Personal Finance or Principles of Business and Finance
Recommended for Grades 10-12
In this course students evaluate the concepts of going into business for themselves and working for or operating a small business. Emphasis is on the exploration of feasible ideas of products/services, research procedures, business financing, marketing strategies, and access to resources for starting a small business. Students develop components of a business plan and evaluate startup requirements. English language arts and social studies are reinforced throughout the course. Work-based learning strategies appropriate for this course include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. DECA (an association for Marketing Education students) and Future Business Leaders of America (FBLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

ENTREPRENEURSHIP I (HONORS) **ME115X0** **1 Credit (HN)**
Prerequisite: Marketing or Personal Finance or Principles of Business and Finance
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. 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.

CLUSTER ENHANCEMENT COURSES

MICROSOFT WORD & POWERPOINT

BM102X0

1 Credit

Prerequisite: None

Students enrolled in Microsoft Imagine Academy courses benefit from the use of world-class Microsoft curriculum and software tools to tackle real-world challenges in the classroom and have the opportunity to 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. Content in this course aligns with the following industry-recognized credential(s): Microsoft Office Specialist in Word, Microsoft Office Specialist in Power Point.

MICROSOFT WORD & POWER POINT (HONORS)

BM105X0

1 Credit (HN)

Prerequisite: None

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 exams for Microsoft Word and Microsoft PowerPoint

MICROSOFT EXCEL

BM205X0

1 Credit

Prerequisite: None

Students enrolled in Microsoft Imagine Academy courses benefit from the use of world-class Microsoft curriculum and software tools to tackle real-world challenges in the classroom and have the opportunity to apply their skills and knowledge to earn industry-recognized credentials. In this course, students will learn to use the latest versions of Microsoft Excel to analyze, manipulate, and present various types of data and Microsoft Access to create, modify, and locate information, as well as how to create programmable elements and share and distribute database information. Mathematics is reinforced throughout the course. Work-based learning strategies appropriate for this course include cooperative education, internship, service learning, and job shadowing. Apprenticeship is 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. Content in this course aligns with the following industry-recognized credential(s): Microsoft Office Specialist in Excel, Microsoft Office Specialist in Access.

MICROSOFT EXCEL (HONORS)

BM205X0

1 Credit (HN)

Prerequisite: None

In addition to the standard course requirements for Microsoft Excel & Access, 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 Excel and Microsoft Access.

PERSONAL FINANCE


BF052X0

1 Credit

Prerequisite: None

This course prepares students to understand economic activities and challenges of individuals and families, the role of lifestyle goals in education and career choices, procedures in a successful job search, financial forms used in independent living, and shopping options and practices for meeting consumer needs. The course also prepares students to understand consumer rights, responsibilities, and information, protect personal and family resources, and apply procedures for managing personal finances. English language arts and mathematics are reinforced.

MARKETING

Pathways					Cluster Enhancement Courses
Marketing Management	BF10 Principles of Business & Finance MM51 Marketing	CS11 Project Management I MA52 Marketing Applications*	CS12 Project Management II ME11 Entrepreneurship I* MU92 Strategic Marketing	CS95 CTE Advanced Studies ME12 Entrepreneurship II	CC45 Career Management BD10 Multimedia & Webpage Design BM10 Microsoft Word & PowerPoint BM20 Microsoft Excel BB30 Business Law FA31 Apparel I BF05 Personal Finance MH42 Hospitality and Tourism CS96 CTE Apprenticeship CS97 CTE Internship

CLUSTER FOUNDATION COURSES

PRINCIPLES 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. 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.

MARKETING

MM512X0

1 Credit

Prerequisite: None

In this course, students develop an understanding of the processes involved from the creation to the consumption of products/services. Students develop an understanding and skills in the areas of distribution, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students develop an understanding of marketing functions applications and impact on business operations. Mathematics and social studies are reinforced.

ENTREPRENEURSHIP I*

ME112X0

1 Credit

Prerequisite: Marketing or Personal Finance or Principles of Business and Finance

Recommended for Grades 10-12

In this course students evaluate the concepts of going into business for themselves and working for or operating a small business. Emphasis is on the exploration of feasible ideas of products/services, research procedures, business financing, marketing strategies, and access to resources for starting a small business. Students develop components of a business plan and evaluate startup requirements. English language arts and social studies are reinforced throughout the course. Work-based learning strategies appropriate for this course include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. DECA (an association for Marketing Education students) and Future Business Leaders of America (FBLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

ENTREPRENEURSHIP I (HONORS)*

ME115X0

1 credit (HN)

Prerequisite: Marketing or Personal Finance or Principles of Business and Finance

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. 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.

CLUSTER ENHANCEMENT COURSES

MICROSOFT WORD & POWERPOINT

BM102X0

1 Credit

Prerequisite: None

Students enrolled in Microsoft Imagine Academy courses benefit from the use of world-class Microsoft curriculum and software tools to tackle real-world challenges in the classroom and have the opportunity to 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. Content in this course aligns with the following industry-recognized credential(s): Microsoft Office Specialist in Word, Microsoft Office Specialist in Power Point.

MICROSOFT WORD & POWER POINT (HONORS)

BM105X0

1 Credit (HN)

Prerequisite: None

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 exams for Microsoft Word and Microsoft PowerPoint

MICROSOFT EXCEL

BM205X0

1 Credit

Prerequisite: None

Students enrolled in Microsoft Imagine Academy courses benefit from the use of world-class Microsoft curriculum and software tools to tackle real-world challenges in the classroom and have the opportunity to apply their skills and knowledge to earn industry-recognized credentials. In this course, students will learn to use the latest versions of Microsoft Excel to analyze, manipulate, and present various types of data and Microsoft Access to create, modify, and locate information, as well as how to create programmable elements and share and distribute database information. Mathematics is reinforced throughout the course. Work-based learning strategies appropriate for this course include cooperative education, internship, service learning, and job shadowing. Apprenticeship is 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. Content in this course aligns with the following industry-recognized credential(s): Microsoft Office Specialist in Excel, Microsoft Office Specialist in Access.

MICROSOFT EXCEL (HONORS)

BM205X0

1 Credit (HN)

Prerequisite: None

In addition to the standard course requirements for Microsoft Excel & Access, 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 Excel and Microsoft Access.

PERSONAL FINANCE

BF052X0

1 Credit

Prerequisite: None

This course prepares students to understand economic activities and challenges of individuals and families, the role of lifestyle goals in education and career choices, procedures in a successful job search, financial forms used in independent living, and shopping options and practices for meeting consumer needs. The course also prepares students to understand consumer rights, responsibilities, and information, protect personal and family resources, and apply procedures for managing personal finances. English language arts and mathematics are reinforced.

HOSPITALITY AND TOURISM*

MH422X0

1 Credit

Prerequisite: Marketing or Sports and Entertainment Marketing I

Recommended for Grades 10-12

In this course, students are introduced to the industry of travel, tourism, and recreational marketing. Students acquire knowledge and skills on the impact of tourism, marketing strategies of the major hospitality and tourism segments, destination, and customer relations. Emphasis is on career development, customer relations, economics, hospitality and tourism, travel destinations, and tourism promotion. Mathematics and social studies are reinforced throughout the course. Work-based learning strategies appropriate for this course include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. DECA (an association for Marketing Education students) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Content in this course aligns with the following industry-recognized credential(s): Certified Guest Service Professional (CGSP)

HOSPITALITY AND TOURISM (HONORS)*

MH425X0

1 Credit (HN)

Prerequisite: Marketing or Sports and Entertainment Marketing I

Recommended for Grades 10-12

In addition to the standard course requirements for Hospitality and Tourism, 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.

Wake Technical Community College Certificate / Course Descriptions

Business Administration

BUS-110: Introduction to Business

This course provides a survey of the business world. Topics include the basic principles and practices of contemporary business. Upon completion, students should be able to demonstrate an understanding of business concepts as a foundation for studying other business subjects.

BUS-139: Entrepreneurship 1

This course provides an introduction to the principles of entrepreneurship. Topics include self-analysis of entrepreneurship readiness, the role of entrepreneur in economic development, legal problems, organizational structure, sources of financing, budgeting, and cash flow. Upon completion, students should have an understanding of the entrepreneurial process and issues faced by entrepreneurs.

BUS-230: Small Business Management

This course introduces the challenges of entrepreneurship including the startup and operation of a small business. Topics include market research techniques, feasibility studies, site analysis, financing alternatives, and managerial decision making. Upon completion, students should be able to develop a small business plan.

MKT -120: Principles of Marketing

This course introduces principles and problems of marketing goods and services. Topics include promotion, placement, and pricing strategies for products. Upon completion, students should be able to apply marketing principles in organizational decision making.

BUS-137: Principles of Management

This course is designed to be an overview of the major functions of management. Emphasis is placed on planning, organizing, controlling, directing, and communicating. Upon completion, students should be able to work as contributing members of a team utilizing these functions of management.

BUS-153: Human Resources Management

This course introduces the functions of personnel/human resource management within an organization. Topics include equal opportunity and the legal environment, recruitment and selection, performance appraisal, employee development, compensation planning, and employee relations. Upon completion, students should be able to anticipate and resolve human resource concerns.

BUS-240: Business Ethics

This course introduces contemporary and controversial ethical issues that face the business community. Topics include moral reasoning, moral dilemmas, law and morality, equity, justice and fairness, ethical standards, and moral development. Upon completion, students should be able to demonstrate an understanding of their moral responsibilities and obligations as members of the workforce and society.

BUS-255: Organizational Behavior in Business

This course covers the impact of different management practices and leadership styles on worker satisfaction and morale, organizational effectiveness, productivity, and profitability. Topics include a discussion of formal and informal organizations, group dynamics, motivation, and managing conflict and change. Upon completion, students should be able to analyze different types of interpersonal situations and determine an appropriate course of action.

Culinary Arts

CUL-110: Sanitation and Safety

This course introduces the basic principles of sanitation and safety relative to the hospitality industry. Topics include personal hygiene, sanitation and safety regulations, use and care of equipment, the principles of food-borne illness, and other related topics. Upon completion, students should be able to demonstrate an understanding of the content necessary for successful completion of a nationally recognized food/safety/sanitation exam.

CUL-112: Nutrition for Food Service

This course covers the principles of nutrition and its relationship to the foodservice industry. Topics include personal nutrition fundamentals, weight management, exercise, nutritional adaptation/analysis of recipes/menus, healthy cooking techniques and marketing nutrition in a foodservice operation. Upon completion, students should be able to apply basic nutritional concepts to food preparation and selection.

CUL-130: Menu Design

This course introduces menu design and its relationship to foodservice operations. Topics include layout, marketing, concept development, dietary concerns, product utilization, target consumers and trends. Upon completion, students should be able to design, create and produce menus for a variety of foodservice settings.

CUL-140: Culinary Skills I

This course introduces the fundamental concepts, skills and techniques in basic cookery, and moist, dry and combination heat. Emphasis is placed on recipe conversion, measurements, terminology, classical knife cuts, safe food/equipment handling, flavorings/seasonings, stocks/sauces/soups, and related topics. Upon completion, students should be able to exhibit the basic cooking skills used in the foodservice industry.

HRM-245: Human Resource Management Hospitality

This course introduces a systematic approach to human resource management in the hospitality industry. Topics include training/development, staffing, selection, hiring, recruitment, evaluation, benefit administration, employee relations, labor regulations/laws, discipline, motivation, productivity, shift management, contract employees and organizational culture. Upon completion, students should be able to apply human resource management skills for the hospitality industry.

CUL-170: Garde Manger I

This course introduces basic cold food preparation techniques and pantry production. Topics include salads, sandwiches, appetizers, dressings, basic garnishes, cheeses, cold sauces, and related food items. Upon completion, students should be able to present a cold food display and exhibit an understanding of the cold kitchen and its related terminology.

CUL-240: Culinary Skills II

This course is designed to further students' knowledge of the fundamental concepts, skills, and techniques involved in basic cookery. Emphasis is placed on meat identification/fabrication, butchery and cooking techniques/methods; appropriate vegetable/starch accompaniments; compound sauces; plate presentation; breakfast cookery; and quantity food preparation. Upon completion, students should be able to plan, execute, and successfully serve entrees with complementary side items.

CUL-160: Baking I

This course covers basic ingredients, techniques, weights and measures, baking terminology and formula calculations. Topics include yeast/chemically leavened products, laminated doughs, pastry dough batter, pies/tarts, meringue, custard, cakes and cookies, icings, glazes and basic sauces. Upon completion, students should be able to demonstrate proper scaling and measurement techniques, and prepare and evaluate a variety of bakery products

Early Childhood Education

EDU-119: Introduction to Early Childhood Education

This course introduces the foundations of early childhood education, the diverse educational settings for young children, professionalism and planning intentional developmentally appropriate experiences for each child. Topics include theoretical foundations, national early learning standards, NC Foundations for Early Learning and Development, state regulations, program types, career options, professionalism, ethical conduct, quality inclusive environments, and curriculum responsive to the needs of each child/family. Upon completion, students should be able to design a career/professional development plan, appropriate environments, schedules, and activity plans.

EDU-131: Child, Family, and Community

This course covers the development of partnerships between culturally and linguistically diverse families, children, schools and communities. Emphasis is placed on developing skills and identifying benefits for establishing, supporting, and maintaining respectful, collaborative relationships between diverse families, programs/schools, and community agencies/resources. Upon completion, students should be able to explain appropriate relationships between families, educators, and professionals that enhance development and educational experiences of all children.

EDU-144: Child Development I

This course includes the theories of child development, needs, milestones, and factors that influence development, from conception through approximately 36 months. Emphasis is placed on developmental sequences in physical/motor, emotional/social, cognitive, and language domains and the impact of multiple influences on development and learning. Upon completion, students should be able to compare/contrast typical/atypical developmental characteristics, explain environmental factors that impact development, and identify strategies for enhancing development.

EDU-145: Child Development II

This course includes the theories of child development, observation and assessment, milestones, and factors that influence development, from preschool through middle childhood. Emphasis is placed on knowledge, observation and assessment of developmental sequences in approaches to play/learning, emotional/social, health/physical, language/communication and cognitive domains. Upon completion, students should be able to compare/contrast typical/atypical developmental characteristics, explain biological and environmental factors that impact development, and identify evidence-based strategies for enhancing development for children that are culturally, linguistically, and ability diverse.

EDU-146: Child Guidance

This course introduces principles and practical techniques including the design of learning environments for providing developmentally appropriate guidance for all children, including those at risk. Emphasis is placed on observation skills, cultural influences, underlying causes of behavior, appropriate expectations, development of self control and the role of communication and guidance. Upon completion, students should be able to demonstrate direct/indirect strategies for preventing problem behaviors, teaching appropriate/acceptable behaviors, negotiation, setting limits and recognizing at risk behaviors.

EDU-153: Health, Safety, and Nutrition

This course covers promoting and maintaining the health and well-being of all children. Topics include health and nutritional guidelines, common childhood illnesses, maintaining safe and healthy learning environments, recognition and reporting of abuse and neglect and state regulations. Upon completion, students should be able to demonstrate knowledge of health, safety, and nutritional needs, safe learning environments, and adhere to state regulations.

EDU-151: Creative Activities

This course introduces developmentally supportive creative learning environments with attention to divergent thinking, creative problem-solving, evidence-based teaching practices, and open-ended learning materials while applying NC Foundations for Early Learning and Development. Emphasis is placed on observation of process driven learning experiences in art, music, creative movement, dance, and dramatics for every young child age birth through eight, integrated through all domains and academic content. Upon completion, students should be able to examine, create, and adapt developmentally creative learning materials, experiences, and environments for children that are culturally, linguistically, and ability diverse.

EDU-221: Children with Exceptionalities

This course covers atypical patterns of child development, inclusive/diverse settings, evidenced-based educational/family plans, differentiated instruction, adaptive materials, and assistive technology. Emphasis is placed on the characteristics of exceptionalities and delays, early intervention/special education, transitions, observation, developmental screening, formative assessment of children, and collaborating with families and community partners. Upon completion, students should be able to recognize diverse abilities, describe the referral process, identify community resources, explain the importance of collaboration with families/professionals, and develop appropriate strategies/adaptations to support children in all environments with best practices as defined by laws, policies and the NC Foundations for Early Learning and Development.

EDU-234: Infants, Toddlers, and Twos

This course covers the development of high-quality, individualized, responsive/engaging relationships and experiences for infants, toddlers, and twos. Emphasis is placed on typical and atypical child development, positive early learning experiences, supporting and engaging diverse families, providing safe, warm and nurturing interactions, and the application of the NC Foundations for Early Learning and Development. Upon completion, students should be able to demonstrate responsive planning, respectful relationships and exposure to a variety of developmentally appropriate experiences/materials that support a foundation for healthy development and growth of culturally, linguistically and ability diverse children birth to 36 months.

Emergency Medical Science

BIO-168: Basic Anatomy and Physiology I

This course provides a comprehensive study of the anatomy and physiology of the human body. Topics include body organization, homeostasis, cytology, histology, and the integumentary, skeletal, muscular, and nervous systems and special senses. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships. Laboratory exercises will include investigation of structural and functional aspects of the indicated organ systems.

BIO-169: Basic Anatomy and Physiology II

This course provides a continuation of the comprehensive study of the anatomy and physiology of the human body. Topics include the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems as well as metabolism, nutrition, acid-base balance, and fluid and electrolyte balance. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships. Laboratory exercises will include investigation of structural and functional aspects of the indicated organ systems.

EMS-110A: EMT-Basic Part 1

This course introduces basic emergency medical care. Topics include preparatory, airway, patient assessment, medical emergencies, trauma, infants and children, and operations. Upon completion, students should be able to demonstrate the knowledge and skills necessary to achieve North Carolina State or National Registry EMT-Basic certification. This course is offered only for eligible high school students.

EMS-110B: EMT-Basic Part 2

This course introduces basic emergency medical care. Topics include preparatory, airway, patient assessment, medical emergencies, trauma, infants and children, and operations. Upon completion, students should be able to demonstrate the knowledge and skills necessary to achieve North Carolina State or National Registry EMT-Basic certification. This course is offered only for eligible high school students.

Information Technology (IT) – Technical Support

NOS-110: Operating Systems Concepts

This course introduces students to a broad range of operating system concepts, including installation and maintenance. Emphasis is placed on operating system concepts, management, maintenance, and resources required. Upon completion of this course, students will have an understanding of OS concepts, installation, management, maintenance, using a variety of operating systems.

NOS-130: Windows Single User

This course introduces operating system concepts for single-user systems. Topics include hardware management, file and memory management, system configuration/optimization, and utilities. Upon completion, students should be able to perform operating systems functions at the support level in a single-user environment. This course introduces operating system concepts for single-user systems. Topics include hardware management, file and memory management, system configuration/optimization, and utilities. Upon completion, students should be able to perform operating systems functions at the support level in a single-user environment. This course is taught within the Microsoft IT Academy as a Microsoft Official Academic Course (MOAC).

CTS-120: Hardware/Software Support

This course covers the basic hardware of a personal computer, including installation, operations and interactions with software. Topics include component identification, memory-system, peripheral installation and configuration, preventive maintenance, hardware diagnostics/repair, installation and optimization of system software, commercial programs, system configuration, and device-drivers. Upon completion, students should be able to select appropriate computer equipment and software, upgrade/maintain existing equipment and software, and troubleshoot/repair non-functioning personal computers.

CTS-220: Advanced Hardware/Software Support

This course provides advanced knowledge and competencies in hardware and operating system technologies for computer technicians to support personal computers. Emphasis is placed on: configuring and upgrading; diagnosis and troubleshooting; as well as preventive maintenance of hardware and system software. Upon completion, students should be able to install, configure, diagnose, perform preventive maintenance, and maintain basic networking on personal computers.

CTS-272 A: Desktop Support Applications

This course introduces operating system concepts for single-user systems. Topics include hardware management, file and memory management, system configuration/optimization, and utilities. Upon completion, students should be able to perform operating systems functions at the support level in a single-user environment. This course introduces operating system concepts for single-user systems. Topics include hardware management, file and memory management, system configuration/optimization, and utilities. Upon completion, students should be able to perform operating systems functions at the support level in a single-user environment. This course is taught within the Microsoft IT Academy as a Microsoft Official Academic Course (MOAC).

CTS-272 B: Desktop Support Applications

This course is designed to prepare students for a foundation in Desktop Support certification in office productivity applications. Emphasis is placed on developing proficiency in the end-user support skills, processes, and procedures necessary to correctly support office productivity products. Upon completion, students should be able to prepare for industry-level certification and utilize advanced support tools toward resolving office productivity end-user problems.

NOS-230: Windows Administration 1

This course covers the installation and configuration of a Windows Server operating system. Emphasis is placed on the basic configuration of core network services, Active Directory and group policies. Upon completion, students should be able to install and configure a Windows Server operating system. This course covers the installation and configuration of a Windows Server operating system. Emphasis is placed on the basic configuration of core network services, Active Directory and group policies. Upon completion, students should be able to install and configure a Windows Server operating system. This course is taught within the Microsoft IT Academy as a Microsoft Official Academic Course (MOAC)