Contents – Click on any heading to go directly to that page.

English Department .............................................................................................................. 5

English 9 – 101 ..................................................................................................................... 5
CP English 9 – CP101a ....................................................................................................... 5
English 10 – 103a ............................................................................................................... 5
CP English 10 – CP103a .................................................................................................... 5
English 11 – 105 ................................................................................................................ 5
English 12 – 106 ................................................................................................................ 5
Intervention English - 107 ................................................................................................ 6
English Language and Comp. – 108 ................................................................................ 6
English Composition I - 109 .............................................................................................. 6
English – British Lit. – 110 ............................................................................................... 6
Composition II – 111 .......................................................................................................... 6
American Literature – 112 ............................................................................................... 6
Public Speaking – 113 ....................................................................................................... 7
Professional Writing – 114 .............................................................................................. 7

Department of Mathematics ............................................................................................. 8

Algebra I – 201 .................................................................................................................. 8
Math Support – 202 .......................................................................................................... 8
Plane Geometry – 203 ....................................................................................................... 8
Algebra II – 204 ................................................................................................................ 8
CP Algebra II – CP204 ..................................................................................................... 8
Business Math – 205 ........................................................................................................ 9
College Algebra – 206 ....................................................................................................... 9
Statistics – 208 ................................................................................................................ 9
Trigonometry – 209 .......................................................................................................... 9
Quantitative Reasoning – 212 .......................................................................................... 9
Computer Sci. Principles – 213 ....................................................................................... 10
Intro to Programming Logic – 214a .................................................................................. 10
Introduction to Java – 214b .............................................................................................. 10
Intro to Information Technology – 215a .......................................................................... 10
Microcomputer Hardware – 215b ................................................................................... 10
Department of Science

Physical Science – 301
Biological Science – 302
Earth Science – 303
Anatomy & Physiology – 304
Chemistry – 305
Physics – 306
AP Biology 307a
Forensic Science – 308
Medical Terminology – 309
AP Chemistry – 310a

Social Studies Department

World History – 401
Civics/World Geography – 401b
American History – 402 (A,B)
Government – 403
Sociology – 404
Psychology – 405
U.S. History in Film I – 406
U.S. History in Film II – 407
United States History I – 408
Am. National Government – 409
Intro to Sociology – 410
Intro to Psychology – 41

Foreign Language Department

Spanish I – 501
Spanish II – 502
Spanish III – 503
Spanish IV – 504
American Sign Language I
American Sign Language II

Fine Arts Department

Art – 601
Advanced Art – 602
Ceramics – 603 ................................................................. 18
Crafts – 604 .................................................................... 18
Sculpture – 605 ................................................................. 18
Digital Photography – 606................................................... 18
Choir – 607 ..................................................................... 18
Band – 608 ....................................................................... 19
Music Theory – 609 ......................................................... 19
Adv. Music Theory -610 ..................................................... 19
Guitar III – 611 ................................................................. 19
Theater – 613 ................................................................... 20
Theater II – 614 ................................................................. 20
Introduction to Theater – 615 .............................................. 20
Script Analysis – 616 ........................................................ 20
Careers I – 701 .................................................................. 21
Careers II – 702 ................................................................. 21
Food & Nutrition I – 704 .................................................... 21
Food & Nutrition II – 705 .................................................. 21
ACT Prep – 706 ................................................................. 22
Freshman Experience – 707 ............................................... 22
Publications/Media – 708 .................................................... 22
FYEX – 709 ..................................................................... 22
Health & Physical Education ............................................. 23
Health – 801 ..................................................................... 23
Physical Education – 802 .................................................. 23
Physical Education II – 803 ............................................... 23
Physical Education III – 804 ................................................ 23
Industrial Tech Department ............................................. 24
Manufacturing Tech – 901 .................................................. 24
Industrial Tech II – 902 ..................................................... 24
Advanced Wood – 903 ...................................................... 24
Engineering Graphics – 904 .............................................. 24
Industrial Math -905 ........................................................ 24
Robotics – 906 ................................................................. 24
3-D Modeling – 907 .......................................................... 25
Welding I – 908 .................................................................................................................. 25
Welding II – 909 .................................................................................................................. 25
Advanced Manufacturing Skills – 910 ................................................................................. 25

Department of Agriculture Education ................................................................................... 26
Agriculture – 1010 ............................................................................................................... 26
Environmental Science for Ag / Natural Resources – 1050 .................................................. 26
Ag Capstone – 1060 ............................................................................................................. 26
Animal Science – 1080 ......................................................................................................... 27
Plant Science – 1090 ............................................................................................................. 27
Ag Equipment and Construction 1091 .................................................................................. 27

Business ............................................................................................................................... 28
Business Foundations – 1110 ............................................................................................... 28
Business Administration Marketing – 1120 ......................................................................... 28
Business Administration Finance – 1130 ............................................................................. 28
Financial Management – 1140 ............................................................................................ 28
Intro to Microcomputer -1150 ............................................................................................. 28
Excel – 1170 ......................................................................................................................... 29
## English Department

<table>
<thead>
<tr>
<th>Course – Number</th>
<th>Credit</th>
<th>Grade</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 9 – 101</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This ninth grade English course seeks to expand the student’s skills in reading literary and informational texts through a variety of exemplar texts as outlined by Ohio’s Model Curriculum. Students will expand their writing skills in terms of argumentative and informational writing; specifically, how to write a thesis statement and cite textual evidence to back up ideas. Additionally, students will focus on speaking and listening skills as well as age-appropriate language skills.

<table>
<thead>
<tr>
<th>CP English 9 – CP101a</th>
<th>1</th>
<th>No Prerequisite</th>
</tr>
</thead>
</table>

This ninth grade English course seeks to expand the student’s skills in reading literary and informational texts through a variety of exemplar texts as outlined by Ohio’s Model Curriculum. Students will expand their writing skills in terms of argumentative and informational writing; specifically, how to write a thesis statement and cite textual evidence to back up ideas. Additionally, students will focus on speaking and listening skills as well as age-appropriate language skills.

<table>
<thead>
<tr>
<th>English 10 – 103a</th>
<th>1</th>
<th></th>
</tr>
</thead>
</table>

This tenth grade English course builds off the foundations mastered in the ninth grade English course. Students will expand their ability to read complex literary and informational texts as outlined by Ohio’s Model Curriculum. Students will expand their writing skills in terms of argumentative and informational writing; specifically, how to prove a thesis statement by citing textual evidence. Additionally, students will work to master speaking and listening skills, as well as, age-appropriate language skills.

<table>
<thead>
<tr>
<th>CP English 10 – CP103a</th>
<th>1</th>
<th>No Prerequisite</th>
</tr>
</thead>
</table>

This tenth grade English course builds off the foundations mastered in the ninth grade English course. Students will expand their ability to read complex literary and informational texts as outlined by Ohio’s Model Curriculum. Students will expand their writing skills in terms of argumentative and informational writing; specifically, how to prove a thesis statement by citing textual evidence. Additionally, students will work to master speaking and listening skills, as well as, age-appropriate language skills.

<table>
<thead>
<tr>
<th>English 11 – 105</th>
<th>1</th>
<th>11</th>
</tr>
</thead>
</table>

This course focuses on the study of American literature utilizing short stories, poetry and novels. The elements of grammar, composition and speech are reviewed and practiced with writing assignments and projects. A notebook and a folder are required for class.

<table>
<thead>
<tr>
<th>English 12 – 106</th>
<th>1</th>
<th>12</th>
</tr>
</thead>
</table>

The emphasis of this course is on students’ abilities to express themselves clearly in writing and speaking. One or more nonfiction books are read. Throughout the year students are engaged in writing autobiographies. The course also includes a career unit, which discusses cover letters, resumes and job
Interviews.

**Intervention English - 107**  
1 11, 12

This course is designed for remedial study with emphasis on the Ohio Learning Standards for English Language Arts. Students who are deficient in points on the End of Course exam for Language Arts are encouraged to enroll in this course.

**English Language and Comp. – 108**  
1 11, 12

This course is centered around the reading and writing standards in Ohio’s Learning Standards for English Language Arts. It is designed to develop the writing and language skills students need for success in their secondary school program, in their daily lives, and in a global society. Students will compose oral, written, and media text consisting of organized subject matter and experience emphasized in English.

**English Composition I - 109**  
1 10,11,12 Earned all EOC ELA points  
(Zane State: ENGL 1500  3 credit hrs.)  
For CCP: Passing grade on the accuplacer or ACT English score of 18 or higher

This course emphasizes the writing and revising process with essay mastery as the primary goal. Students read literary examples as models and write in descriptive, narrative, expository, persuasive, and poetic modes. A research essay written in APA style is a requirement to successfully complete this course.

**English – British Lit. – 110**  
1 11, 12 Passing grade in Eng.  
1500  
(Zane State: ENGL 2520  3 credit hrs.)

This survey course introduces students to a broad range of British literature (print and film) involving works from the Early Romantic Period up to the present day. The works studied will include novels, short stories, poetry, and drama. By reading and analyzing these works, students will learn about various themes, conventions literary movements, and historical events during this time period and will also strengthen their critical thinking skills. Writers studied will include Wordsworth, Dickens, Blake, Shelley, Austen, Yeats, and Heaney.

**Composition II – 111**  
1 10,11,12 C or higher in ENGL  
1500  
(Zane State: ENG 2500  3 credit hrs.)

Students will employ the writing process introduced in Composition I. Composition II emphasizes the development of rhetorical skills for literary analysis, critical appraisal, and academic research. Students will read literary texts and create several expository and persuasive essays.

**American Literature – 112**  
1 10,11,12 C or higher in ENGL  
1500
This survey course introduces students to a broad range of American Literature (print and film) involving works from the mid-nineteenth century up to the present day. The works studied will include poetry, novels, short stories, and nonfiction essays. By reading and analyzing these works, students will learn about significant themes, conventions, literary movements, and historical events during this time period and will also strengthen their critical thinking and writing skills. Writers studied will include, but are not limited to Whitman, Dickinson, Twain, and Frost.

**Public Speaking – 113**

The purpose of this course is to learn the basic principles of effective public speaking, the principles of audience analysis and message preparation, and critical listening skills as they apply to public speaking. Students will research, write, then present speeches on a variety of different topics. Students will exhibit effective listening skills as they listen to classmates and other famous speakers throughout history. In addition to public speaking, further performance opportunities may be included in the area of public oral reading. Students will learn about the role of communication in our lives, the communication model, spatial relationships, delivery styles, and the effectiveness of language, gestures, and organization techniques.

**Professional Writing – 114**

This course strengthens students’ composition skills and introduces them to workplace writing including layout and design, graphics, reports, summaries, memos, letters, and job search documents. Students analyze and synthesize data, practice oral and small group communication, and create a professional writing portfolio. Writing these documents will require students to analyze audience, situation, and context and respond appropriately.
Department of Mathematics

Algebra I – 201

Algebra I is the beginning course in higher mathematics. This course is required for further work in high school mathematics. Students desiring Algebra I should have a foundation of basic arithmetic. Students who took Algebra I in the 8th grade but had a “C” or less may want to take Algebra I at the high school level. An Ohio End of Course Exam is associated with this class.

Math Support – 202

Previous year’s math grade, scores on state math assessment, teacher recommendation

The Math Support course provides additional instruction on identified student needs. Coursework will focus on Common Core State Standards in mathematics. Specific reading and writing strategies will be taught as part of focused intervention in the content.

Plane Geometry – 203

Plane Geometry is a study of the relationships between lines, angles, areas, etc., of the different types of common geometric figures, such as polygons and circles. Primary emphasis is placed on techniques of mathematical thinking, so that the student can learn to apply the scientific approach to problem solving in life situations as well as in Plane Geometry itself. An Ohio End of Course Exam is associated with this class.

Algebra II – 204

Algebra II is a one year course for students having satisfactory work in Algebra I. The course includes quadratic equations, functions, real and complex numbers, exponents, probability, inverse functions and nonlinear equations and inequalities, higher order polynomials, and rational functions. This course is required for graduation.

CP Algebra II – CP204

This is a one-year course for students having proficient work in Algebra I. The course includes quadratic equations, functions, real and complex numbers, exponents, probability, inverse functions and nonlinear equations and inequalities, higher order polynomials, and rational functions. The course is preparation for higher levels of mathematics and fulfills the Algebra II requirement for graduation.
Business Math – 205

Business Math provides comprehensive coverage of personal and business-related mathematics. In addition to reviewing the basic operations of arithmetic, students are prepared to understand and manage their personal finances, as well as grasp the fundamentals of business finances. Basic math skills are covered in a step-by-step manner, building confidence in users before they try it alone.

College Algebra – 206

10,11,12

ACT Score of 22 or qualifying

(Zane State: Math 1340 4 credit hrs.)

Accuplacer score, Completion of Algebra II

Topics include radicals and rational exponents, equations and inequalities, functions and graphs, polynomial and rational functions, exponential and logarithmic functions, and systems of equations. A graphing calculator is required. Course will be taken for dual high school and college credit through Zane State.

Statistics – 208

11,12

ACT Score of 22 or qualifying

(Zane State: Math 2270 3 credit hrs.)

Accuplacer score, Completion of Algebra II

Equip students with understanding of statistical concepts dealing with the processing and interpretation of numerical information. Basic statistical applications including measures of central tendencies and variations, probability, sampling, hypothesis testing, and correlation analysis will be studied. A scientific or graphing calculator is required.

Trigonometry – 209

C or better in Algebra II

This is a study of pre-calculus and advanced algebra. Topics of study include vectors, functional properties of angles, analytical aspects of trigonometry, solutions of triangles and theory and use of logarithms. Calculus topics include limits and derivatives.

Quantitative Reasoning – 212

11, 12

ACT Score of 22 or qualifying

(Zane State: Math 1050 4 credit hrs.)

Accuplacer score, Completion of Algebra II

This is course is designed to develop students’ quantitative and logical reasoning abilities, and improve students’ ability to communicate quantitative ideas. This project-based course requires the student to create, analyze, and interpret mathematical models based on real world problems. This course counts towards students’ weighted GPAs.
This course is a full-year, rigorous, entry-level course that introduces high school students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming algorithms, the internet, big data, digital privacy and security, and the societal impacts of computing.

**Intro to Programming Logic – 214a**

(Zane State: ITCS 1030 3 credit hrs.)

This course covers the basic concepts of program flowcharting, pseudocode and design. Provides an understanding of the fundamental concepts of the programming structures that are used in designing, testing, and implementing a program. These basic programming structures will be applied to a programming language which is object oriented using an object oriented programming language.

**Introduction to Java – 214b**

(Zane State: ITCS 2020 3 credit hrs.)

This course covers an introduction to programming with Java. Hands-on knowledge of the Java basics including primitive types and strings, constants, objects, methods, classes and instance variable are covered. Intermediate topics include stand-alone applications, arrays, exceptions and interfaces. Advanced topics such as GUIs, multithreading and data structures will also be covered.

**Intro to Information Technology – 215a**

(Zane State: ITCS 1010 3 credit hrs.)

This course is designed for students interested in pursuing a career in the field of Information Technology. Topic areas covered will include programming and software development, interactive media, network systems, as well as information and support services. Other topics and skills for success in the information technology field, such as ethics and security, will also be discussed.

**Microcomputer Hardware – 215b**

(Zane State: ITCS 1500 3 credit hrs.)

This course explores related topics in microcomputer operations, including hardware, system maintenance, configurations, upgrades and trouble shooting. Operating system software maintenance and troubleshooting of the operating system will also be discussed. Decision making regarding hardware and software purchases is also included.
Department of Science

Physical Science – 301  1  9
This course is required for freshmen. The course will encompass mainly physical aspects of science. Topics covered will include light, sound, potential and kinetic energy, atomic structure, etc. This is a laboratory course with experiments designed to illustrate fundamentals.

Biological Science – 302  1  10
This is a high school level course, which satisfies the Ohio Core science graduation requirements of Ohio Revised Code Section 3313.603. This course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of heredity and evolution provide a framework through inquiry-based instruction to explore the living world, the physical environment and the interactions within and between them. Students engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications. This is a state tested science field.

This course is for the students who have an interest in science and wish to further their science curriculum. Any student can take the class. This class will provide a third science requirement for graduation. In this course, the historical development of the earth, its physical features and its geological aspects will be covered.

Anatomy & Physiology – 304  1  11, 12  Biology
This is an accelerated course recommended for college prep, junior and senior students. This course is designed for students interested in Biology, nursing, medical, and health fields. Lab work will be emphasized through dissecting and microscopic work. Terminology will be stressed which could help a student interested in becoming a medical secretary or other medical fields.

Chemistry – 305  1  11, 12  Algebra I
This course is a junior oriented class; however, seniors may take the class. Chemistry is an accelerated course recommended for the serious student who plans to take a challenge. The class will deal with the study of the composition and make-up of materials about us, and the changes which take place in these materials. One will also study the nature of materials and how they react with each other. This is a laboratory course with experiments designed to illustrate fundamentals.

Physics – 306  1  12  Algebra II
This is recommended for seniors. It is recommended that the student have three years of mathematics. This course includes a study of our physical surroundings, including mechanics (machines, forces, velocity, and acceleration), electricity and sound. This is a laboratory course and experiments help to illustrate the principle involved. Students who are interested in any engineering field should take this
AP Biology 307a  

1.5  

11,12  

Biology, Chemistry or at least an A average in Bio and taken concurrently with Chem.

The AP Biology course is designed to be the equivalent of a college level Biology course. For some students, this course enables them to receive college credit in Science while still in high school. Students in this course will attain a depth of understanding of biology and a reasonable competence in inquiry based learning. Students are expected to spend a quarter of their time in this course completing inquiry-based laboratory projects. The course will contribute to the development of the students’ abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. Students in AP Biology should spend at least five hours a week in individual study outside of the Classroom.

Forensic Science – 308  

1  

11, 12  

Prerequisite: Biology

Credit

Forensic science is an upper-level course rich in exploration and lab investigation applying many disciplines of scientific study such as biology/anatomy, chemistry, and physics to solving crimes.

Medical Terminology – 309  

.66  

CCP eligible

(Zane State: HLTH 1210  2 Credit hrs.)  

Prerequisite/co-requisite: Comp I

Course provides a study of the vocabulary used by medical personnel. Basic prefixes, suffixes, root words, and combining vowels are emphasized as the foundation for mastery.

AP Chemistry – 310a  

1.5  

12  

Prerequisite: B or better in Chemistry

Advanced inquiry based course designed to be the equivalent of the general chemistry course usually taken during the first college year. The goal is that students will take the AP Exam to receive college credit or placement at the student’s college of choice. Students may be able to undertake second year work in the chemistry sequence at their institution or take courses for which general chemistry is a prerequisite. For other students, this course fulfills the laboratory science requirement and frees time for other courses.
Social Studies Department

World History – 401 .5 9

This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

Civics/World Geography -401b .5 9,10

This course of civics and world geography discusses the history of national, state and local governments, and the privileges and responsibilities of the individual citizen living within this political environment. Civics examines the structure and function of American systems of government and the role of citizens in the political process. This course explores the crucial role that citizens have in accessing power and mediating the forms of power that government and corporations have in American society. The course gives a broader perspective to the individual roles and responsibilities of how to be citizens of the world. The course will also cover world geography. The topics will include geographical and political regions of the world, human effects on the environment, and man’s interaction in a changing world.

American History – 402 (A,B) .5 each 9, 10

This course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today’s citizens is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. An Ohio End of Course Exam is associated with this class.

Government – 403 1 11

How the American people govern themselves at national, state and local levels of government is the basis for this course. Students can impact issues addressed by local governments through senior projects. An Ohio End of Course Exam is associated with this class.

Sociology – 404 .5 11,12

The principle goal of sociology is to give the student an understanding of himself/herself and their proper relation to their social world, its institutions, and problems. Students are expected to leave the class with a working knowledge of the vocabulary terms associated with sociology in preparation for related sociology courses on college level.
Psychology – 405 .5 11,12

The primary objective of elementary psychology is to help the student understand themselves and their personal problems, to develop an understanding of social problems, and to increase their ability to live harmoniously with others. Students are expected to leave the class with a working knowledge of the vocabulary terms associated with psychology in preparation for related psychology courses at the college level.

U.S. History in Film I – 406 .5 11,12 World & American History

Colonial to WWI

This is a one semester, elective course. The films chosen for this class are presentations of history rather than documentations of history. They are reenactments of historical events rather than documentary records of events. These historical-presentation films may present historical content in four ways:

1) As a factual record: Film is used to dramatize what happened in the past.
2) To convey atmosphere: The use of fiction to convey a sense of past-lifestyles, values, or beliefs.
3) Analogy: An historical event is used to point out or explain contemporary motives or action, particularly when the contemporary event is controversial (i.e., gun control)
4) As a lesson in historiography: Because the dramatic form used in films requires consistent and relatively simple motivational interpretation, students can often learn how the time period in which the film was made interpreted historical personalities and events.

U.S. History in Film II – 407 .5 11,12 World & American History

1920 to Present

This is a one semester, elective course. The films chosen for this class are presentations of history rather than documentations of history. They are reenactments of historical events rather than documentary records of events. These historical-presentation films may present historical content in four ways:

1) As a factual record: Film is used to dramatize what happened in the past.
2) To convey atmosphere: The use of fiction to convey a sense of past-lifestyles, values, or beliefs.
3) Analogy: An historical event is used to point out or explain contemporary motives or action, particularly when the contemporary event is controversial (i.e., gun control)
4) As a lesson in historiography: Because the dramatic form used in films requires consistent and relatively simple motivational interpretation, students can often learn how the time period in which the film was made interpreted historical personalities and events.

United States History I – 408 1 11,12 English 1500

(Zane State: Hist. 1200 3 credit hrs.)

United States History I is an introductory overview of United States History, beginning with pre-Columbian Native American cultures and ending with the end of the Civil War. The course will highlight Native American cultures and prehistory, European exploration and colonization, the War for Independence, formation of the United States government, the War of 1812, Jacksonian democracy, economic and cultural forces, slavery, and the causes of the Civil War. Students will examine these topics from political, economic, and cultural perspectives. Students will also learn to distinguish primary
from secondary sources and will critically analyze documents. Student will grapple with major historical issues such as the meaning of history, the use of history, the subjectivity of sources, the over-and under-representation of certain peoples, and evolving historical perspectives.

**Am. National Government – 409**  1  11,12  Completion of or enrolled in  
(Zane State: POLS 1010  3 credit hrs.)  English 1500  

American National Government is an introduction to the nature, purpose, and structure of the national government in the United States. The process of and participants in the creation of public policy are emphasized, including a citizen’s role in a democracy. The positive and negative aspects of broad participation are compared.

**Intro to Sociology – 410**  1  English 1500  

This course introduces students to the basic concepts, theories, perspectives and processes in sociology. Topics include culture, socialization, groups, organization, social deviance, social class and inequality, social change and institutions. This course will help students better understand themselves as well as their relationship to the larger society.

**Intro to Psychology – 41**  1  CCP eligible  
(Zane State: PSYC 1010  3 credit hrs.)  Prerequisite/co-requisite Comp  

An overview of major theories, concepts, and biological processes involved in the study of human behavior. Topics include history of psychology, research methods, biological bases of behavior, sensation and perception, consciousness, learning, memory, cognition and intelligence, motivation and emotion, lifespan development, personality, stress and coping, psychological disorders and their treatment, and social behavior.
Foreign Language Department

Spanish I – 501  
1  
8,9,10,11,12  
English average of B or better

This course is an introduction to the language and culture of Spanish speaking countries. Emphasis will be on basic grammar, reading comprehension, listening comprehension and pronunciation. Students will be evaluated by tests, quizzes, homework, class participation, midterm and final exams.

Spanish II – 502
1  
9,10,11,12  
Spanish I with B or better or teacher recommendation

This course is a continuation of Spanish I with emphasis on advanced grammar, reading comprehension, writing, listening comprehension, pronunciation and culture. Additional requirements will include nine weeks projects and/or presentations. Students will be evaluated by tests, quizzes, homework, class participation, presentations, projects, midterm and final exams.

Spanish III – 503
1  
10,11,12  
Spanish II with B or better

This course is designed to introduce Spanish and Latin American literature and culture, to review grammar through writing, and to improve conversation and pronunciation. Emphasis on culture and literature will require students to do projects, presentations, reports and other activities. Students will be evaluated by tests, quizzes, homework, projects and presentations, reports, class participation, midterm, and final exams.

Spanish IV – 504
1  
12  
Spanish III with B or better and teacher recommendation

This final course is designed to prepare students for college placement exams and/or the Advanced Placement Exam. Students will review grammar topics, and reading comprehension, as well as improve conversation and listening skills. Various units on culture and literature will require students to do projects, presentations, reports, and other activities. Students will be evaluated by tests, quizzes, homework, projects and presentations, reports and class participation.

American Sign Language I  
1  
9,10,11,12  
Accuplacer

American Sign Language I is an introduction into the world of deafness. This course focuses on the basics of American Sign Language, the natural language used by deaf individuals and the deaf community. The students will focus on the grammatical structure of ASL and will begin to develop both receptive and expressive skills in ASL. The students will learn the alphabet, numbers, time, colors, how to introduce themselves, exchange personal information, talk about people and family members,
descriptive vocabulary, giving and receiving directions, making request, action words and common sentences and phrases used in everyday situations. Deaf culture, its characteristics and Deaf History will also be discussed.

American Sign Language II 1 10,11,12 Sign Lang. I
(Zane State: 1010 3 credit hrs.)

American Sign Language II is a continuation of an introduction in to the world of deafness. This course focuses on the basics of American Sign Language, the natural language used by deaf individuals and the deaf community. The students will focus on the grammatical structure of ASL and will continue to develop both receptive and expressive skills in ASL. The class will focus on vocabulary development such as descriptors, time concepts, direction concepts, verbs in more depth, asking and answering questions, giving explanations, comparing and contrasting. Students will also learn to use classifiers, appropriate hand, body and facial gestures in highly practiced situations. Deaf culture, its characteristics and deaf History will also be discussed. During this course, students perform better and stronger in the Novice range while some abilities emerge in the Intermediate range.
Fine Arts Department

Art – 601 1 9,10,11,12

Areas covered in this course include perspective and grid drawing, beginning watercolor, beginning acrylic, pen and ink drawing, study of freehand pencil drawing, picture design and composition, and a study of art history.

Advanced Art – 602 1 10,11,12 B or better in Art 1

Advanced Art – 602 1 10,11,12 B or better in Art 1

This course covers advanced oil painting, advanced watercolor, advanced acrylics, independent study with instructor’s permission, and art history study.

Ceramics – 603 .5 10,11,12 Art I

Ceramics – 603 .5 10,11,12 Art I

Original objects (primary pottery and sculpture) are created with clay using hand building, casting, wheel forming, and glaze techniques. Objects created by professional ceramists are examined for their expressive, formal, and technical qualities.

Crafts – 604 .5 10,11,12 Art I

Crafts – 604 .5 10,11,12 Art I

Students acquire utilitarian skills including weaving, jewelry making, fabric crafting, basketry, metalsmithing, leather-shaping, and wood forming. Objects by professional craftsperson’s are studied for their formal, expressive, and technical qualities.

Sculpture – 605 .5 10,11,12 Art I

Sculpture – 605 .5 10,11,12 Art I

Various media such as clay, metal, wood, stone, and wire and various processes such as carving, casting, soldering, and modeling are investigated as means for creating three-dimensional artistic forms. Professional sculptors’ works are studied.

Digital Photography – 606 .5 10,11,12 Art I

Digital Photography – 606 .5 10,11,12 Art I

Still and motion picture camera procedures are investigated. The expressive, formal, and technical qualities of professional work are studied.

Choir – 607 1 9,10,11,12 Instructors Permission

Choir – 607 1 9,10,11,12 Instructors Permission

Choir gives students the opportunity to further their knowledge of musical concepts, while developing a quality voice through singing and performing.

Members enrolled in performing choir will be expected to perform in all scheduled concerts during the school year (i.e. winter and spring), as well as district and state competitions. Members enrolled as non-performing will be given written assignments in place of performances.

The director reserves the right to choose from the choir select groups for special performances and competitions.
Band – 608

High School Band consists of two parts: marching band and concert band. Enrolled members are expected to participate in both marching and concert seasons.

Time Commitments:

Marching Band
1. July rehearsals and parades including sectionals, full band (morning rehearsals), and one week of band camp (7:30 - 3:30 daily).
2. The month of August four rehearsals a week from 7:30 to 12:00 p.m.
3. Eighth period
4. 2 to 3 sessions after school per week 3:10 to 5:00 p.m.
5. All football games, Firemen's Festival, Memorial Day, Veterans Day, and Christmas parades
6. 4 to 6 competitions a year (not exceeding 4 weekends - not including possible state finals).
7. Any trips out of state (i.e. Kennywood Amusement Park, Florida, Washington DC)

Concert Band
1. Eighth period
2. District and state competitions
3. Winter and spring concerts

Prerequisite: Sufficient progress in junior high school band, completion of an intermediate method book, and director's approval

Music Theory – 609

Instrumental (Guitar)

This course will provide students with a general overview of the basic concepts of music theory combined with instruction on guitar. Students must have their own guitar (preferably acoustic). Theory concepts to be covered include but are not limited to music vocabulary, symbol notation, building and manipulating chords and scales, as well as basic chord progression. This class qualifies as a fine art credit.

Adv. Music Theory -610

Instrumental (Guitar)

This class will continue into more advanced concepts and playing skills of the guitar. District Solo and Ensemble Contest participation is strongly encouraged but not required.

Guitar III – 611

This class will continue into more advanced concepts and playing skills of the guitar. District Solo and Ensemble Contest participation is strongly encouraged but not required.

Violin – 612

This course will provide students with a general overview of the basic instruction on Violin.
Theater – 613

This introductory course is designed to expose students to the process of creating theatre. Students explore acting techniques such as voice projection and movement, dramatic literature, marketing, set design and costumes. The course concludes with a showcase production that allows students to apply the skills and knowledge obtained throughout the course. This course is a general introduction to drama including acting technique, improvisation, characterization, and basic blocking. A formal performance in front of an audience at the end of the course is a requirement for all students enrolled in the course. This formal performance will count as the final exam. This course is designed to enhance theatre appreciation. Students are expected to participate in after school rehearsals and technical rehearsal and productions up to 10 hours.

Theater II – 614

Continue exposure to the process of creating theatre. Students continue to explore acting techniques and design. Students take leadership roles in the design and technical theatre. The course concludes with a showcase production that allows students to apply the skills and knowledge obtained throughout the course. This course is a general introduction to drama including acting technique, improvisation, characterization, and basic blocking. A formal performance in front of an audience at the end of the course is a requirement for all students enrolled in the course. This formal performance will count as the final exam. This course is designed to enhance theatre appreciation. Students are expected to participate in after school rehearsals and technical rehearsal and productions up to 10 hours.

Introduction to Theater – 615

An introductory course designed to give students the skills to recognize contemporary theatrical practices and observe their historical lineage and cultural context. In doing so, this class also seeks to examine the relevance of theatre in modern life and subsequently teaches students to be appreciative audience members. The material will focus on key theatrical terms and dramatic concepts. Students will explore the major movements in dramatic literature from Greek Festival Theatre to American Naturalism to contemporary theatre. The course will consist of lectures, discussions, and participation opportunities, as well as reading and analyzing plays, viewing filmed versions of plays and attending a live theatrical event.

Script Analysis – 616

Script Analysis is designed to give students the skills to recognize and apply the methods of reading, studying and analyzing play scripts for production. The material will focus on the script as vehicle for performance and the understanding of it from the perspective of the actor, director, and technician. Students will explore the major movements in dramatic literature from medieval to modern and contemporary drama. The course will consist of lectures, discussion and participation opportunities as
well as reading and analyzing plays, viewing filmed versions of plays and attending a live theatrical event.

**Family & Consumer Science**

**Careers I – 701**

This course is designed to help students understand the challenges and the benefits of a consciously-planned career and life path. Using the Development Tasks for Adolescence as a focus, topics include: opportunities to learn and practice communication, interpersonal and self-management skills necessary to succeed in today’s educational and workforce setting; self-discovery activities as they relate to career choices; career exploration; how to match academic and educational effort to lifestyle expectations; and learning to project into the future and understand the consequence of today’s choices and actions.

**Careers II – 702**

This course is an activity-oriented approach to life planning and career decision-making. Students will have the opportunity to develop the knowledge, skills and attitudes needed to successfully examine their own lives, explore and evaluate education and career options and make reasoned and researched goals for their future. Topics include developing a personal profile, launching a career, and strategies for career success. The final project for this course is a complete and marketable Career Portfolio.

**Careers III – 703**

Students will get authentic career knowledge and skills through a mentoring experience in the community. Through this, students will develop, implement, and periodically review and revise a career blueprint in the context of other life choices and changing employment trends, societal needs, and economic conditions. The blueprint will include educational plans supportive of their personal and career goals. It will also include supportive extracurricular and community activities and work experience. Students will discover their personal career identity by analyzing and documenting personal interests, talents, skills, aptitudes, and values in relation to career options. They will plan for development of core employability skills needed by all students to succeed in school and by all workers to succeed in the workplace.

**Food & Nutrition I – 704**

This course is designed to provide students with knowledge of nutrition information and basic food preparation techniques and safety and sanitation concerns. The course revolves around traditional and customary foods from around the world while providing students the knowledge to have a better understanding of the cultural differences surrounding food choices. They will prepare foods using various cooking techniques and styles while developing an appreciation for other cultures and their lifestyles. Students will master the skills required to safely prepare and store food, reducing the risk of food-borne illness.

**Food & Nutrition II – 705**

Foods II expands on the knowledge and skills acquired in Foods I. This course will allow students to gain knowledge and skills in acquiring and practicing a healthy lifestyle using dietary guidelines that will reduce the risks of chronic disease and unsafe habits. They gain competence in learning from reliable resources regarding food and beverage selection. Students will understand the cultural, family, community, and economic implications of obesity, healthy weight, and lifestyle. Students will acquire the knowledge and skills necessary to become informed and safe consumers and handlers of food. They
will evaluate information related to advances in food technology, nutrition, and safety. Students will master the skills required to safely prepare and store food, reducing the risk of food-borne illness. Students will evaluate the impact of consumer choice on the environment and the global community.

**ACT Prep – 706**  
.5

This course is intended to give student’s daily support and strategies as they prepare for the ACT test required by many colleges for admission. Students will learn about the:

1. Test format, such as kinds of directions and common question types
2. Test strategies beyond memory, such as problem-solving skills and techniques
3. Content concepts

**Freshman Experience – 707**  
.5  8,9

The Freshman Experience is an environment created exclusively for freshman to help them in their transition from middle school to high school. The program focuses on students being able to belong, explore, learn and grow in the Shenandoah High School community and beyond. Topics covered include: goal setting, study skills/note taking, conflict resolution, interpersonal communication, responsible decision making, and career exploration.

**Publications/Media – 708**  
1  9,10,11,11  Instructors permission  
10 student limit  

Publication is a class designed to construct the yearbook. In this class, students must be willing to take on several responsibilities. For example, students must be willing to sell advertisements, be willing to help construct a section of the yearbook, be able to follow given directions, and be able to meet deadlines.

**FYEX – 709**  
.33  9,10,11,12  Accuplacer  

*(Zane State: 1010 1 credit hr.)*

First Year Success Strategies; familiarizes students with the college’s campuses, academic divisions and program faculty, computer resources, student-related policies and procedures, and student support services. Assists with financial planning for college. Teaches effective planning and time management strategies and efficient study strategies. Examines the relationship of personal characteristics and motivation to education and career planning. Explains the various course formats. Guides students’ development of an individualized first year academic plan.
Health & Physical Education

Health – 801 .5 10

Health is one of several required courses in Ohio. The subject matter discussed includes all aspects of an individual’s physical, mental/emotional, and social health. There is an emphasis on all body systems. Care and problems as well as structure and functions of these systems are covered. There is also an emphasis on the mental/emotional health of teenagers. A grade is established by student’s performance on tests, quizzes, worksheets, notebooks, and cooperative learning activities.

Physical Education – 802 .250 9, 10, 11, 12
*2 semesters required

General physical education is one of several required courses in Ohio. This class is designed to provide daily exercise and conditioning to improve fitness. The class focuses on team and individual sports, such as softball, football, basketball, soccer, floor hockey, weight lifting, badminton, archery, etc. Students are required to dress and participate each day. Fitness tests, as well as written tests are given throughout each 9 weeks and as part of the semester and final exams.

Physical Education II – 803 .250 9,10,11,12
(season course)

This class is designed to provide the student with a more intense fitness program. This class will use the techniques of free weight training, agility, and plyometric. The course will also deal with stretching properly, running, and conditioning. The result will be a total fitness program for the young person enrolled.

Requirements: daily dress, participation, and shower each day. Refusal to participate in the program will result in a drop from the class. (This class does not substitute for the regular/required physical education course(s).)

Physical Education III – 804 .250 9,10,11,12
(season course)

(Lifetime Sports)
This class is designed to provide an intense aerobic fitness program. Students will participate in activities to improve flexibility and cardiovascular fitness. The class will include aerobic dance, step aerobics, walking and weight training. Sports such as Golf, Tennis, Bowling, and Archery would be some of the “Life Sports” addressed.
### Industrial Tech Department

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Manufacturing Tech – 901</strong></td>
<td>1</td>
<td>9,10</td>
</tr>
</tbody>
</table>

In this course, students will explore the many facets of construction and manufacturing along with basic drawing techniques and woodworking. This course will primarily consist of 15 weeks of construction and manufacturing, 12 weeks of basic drawing and Auto Cad, and 9 weeks of woodworking.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Industrial Tech II – 902</strong></td>
<td>1</td>
<td>10,11,12</td>
</tr>
</tbody>
</table>

This course includes more advanced woodworking and proper use of all machines as a follow up to Manufacturing Foundations.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Advanced Wood – 903</strong></td>
<td>1</td>
<td>11,12</td>
</tr>
</tbody>
</table>

Advanced wood is a two semester course in woodworking. This course will allow the student the time needed to work on a larger project if he/she desires. Seniors have first preference when scheduling this course.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Engineering Graphics – 904</strong></td>
<td>1</td>
<td>11,12</td>
</tr>
</tbody>
</table>

(Engineering Graphics – 904) (Zane State: Mech 1000 3 hours)

This course introduces the reading and generation of engineering prints. The fundamentals of orthographic projection, dimensioning systems, and Auto CAD software are the staples of this course. The primary focus is on the creation of two dimensional model space drawings. An introduction to paper space drawings and creation of both isometric and 3D solids is a secondary focus. AutoCAD topics include an introduction to the interface, 2-D entity construction and editing, layer creation and control, text, basic dimensioning, basic plotting, and 3D modeling commands. Drafting topics include orthographic projections, auxiliary view, title blocks, and general drawing layouts. This course will be for dual high school and college credit through Zane State. Decision for credit must be made within the first two weeks of school.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Industrial Math -905</strong></td>
<td>1</td>
<td>11,12</td>
</tr>
</tbody>
</table>

Qualifying

Accuplacer

(Zane State: Math 1030 4 credit hrs. (non-transferable)) or ACT Math Score

Algebraic expressions and operations, ratio, proportions, direct, inverse and joint variation, measurement in the metric system and the U.S. Customary system, basic geometry, trigonometry of the right triangle, factoring, solving linear and quadratic equations in one of more variables, oblique triangles including the law of sines and the law of cosines are studied. A scientific calculator is required.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Robotics – 906</strong></td>
<td>1</td>
<td>10, 11, 12</td>
</tr>
</tbody>
</table>
Students learn about engineering and engineering problem solving. They will be given introductions to the VEX Robotics Design System and Autodesk Inventor while learning key STEM principles through a process that captures the excitement and engagement of robotics competition. Curriculum is heavily focused on mechatronic principles; programming is also included for a computer science layer.

3-D Modeling – 907  
(Zane State: Mech 1100 3 credit hrs.)

3-D Modeling introduces parametric sold modeling as used in the mechanical design environment. Students will learn to create parts, assemblies, and drawings in a commercially used 3-D package. The theory of bottom-up design is mainly the focus, with an introduction to top-down design.

Welding I – 908  
(Zane State: Weld 1100 1 credit hr.)

Introduction to Welding/Cutting Safety and Processes. An introduction to basic welding and cutting safety, an overview of general welding terminology and principles, including electrical theory as it applies to the welding process. Instructions on electrode selection and the AWS classification system. Covers identification of different types of weld joints and how to prepare joints to be welded. Laboratory exercise in safe operation of the oxy-fuel torch (handheld and machine version) and plasma arc cutter.

Welding II – 909  
(Zane State: Weld 1200 1 credit hr.)

An introduction to the Gas Metal Arc Welding (MIG) and flux Cored Arc welding processes. Topics include safe operation of equipment, proper machine settings, wire selection and classification, different modes of metal transfer and the effect of different shielding gases. Emphasis on GMAW-S welding of carbon steel with ER70S-6 and FCAW with E71T-1. Skill exercises on fillet and groove welds with and without backing, in all positions. Groove welds will be subject to guided-bend testing. The welding of aluminum and stainless steel is also introduced, along with other modes of metal transfer; GMAW-P and GMAW-PP.

Advanced Manufacturing Skills – 910  
11,12

Students interested in a career in skilled manufacturing will have the opportunity to earn the nationally recognized Certified Production Technician (CPT) credential, along with work-based learning experience within the field. The program and curriculum are designed specifically to advanced manufacturing and students will gain hands-on experience during class time using the SkillBoss’ cutting edge, simulator technology. The course will also support soft skill development and career-opportunity awareness through the creation of student-work portfolios and opportunities to visit local manufacturing partners. Students who successfully complete the course modules and assessments will graduate with the MSSC-CPT credential, recognized by the manufacturing industry and the Ohio Department of Education’s graduation requirements.
Department of Agriculture Education

**Agriculture – 1010**  
Food and Natural Resources

This is the first course in the Agricultural and Environmental Systems career field. It introduces students to the pathways that are offered in the Agricultural and Environmental Systems career field. As such, learners will obtain fundamental knowledge and skills in food science, natural resource management, animal science & management, plant & horticultural science, power technology and biotechnology. Students will be introduced to the FFA organization and begin development of their leadership ability. Students will be expected to be active members of the Shenandoah FFA Chapter. Students must also conduct and maintain records for a Supervised Agricultural Experience Project. Students who pass this course will receive 1 credit towards graduation. All class fees listed in the student handbook are applicable.

**Mechanical Principles – 1040**  
10,11,12  
Ag 1010

Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identify, diagnose, and maintain small air-cooled engines. Throughout the course, students will learn critical components of site and person safety as well as communication and leadership skills.

**Environmental Science for Ag / Natural Resources – 1050**  
11,12

Learners will study relationships between organisms and their environment. Principles of biogeochemical cycles, air-water-land relationships, non-point pollution, and wetlands will be applied. Learners will examine economic fundamentals of resource development, agriculture sustainability, energy needs and pollution control. Learners will analyze and interpret data gathered from ecosystems, population studies, forest management practices, pesticide use, land use and waste management. Learners will develop responses to environmental problems and develop management strategies for responsible conservation and resource development.

**Ag Capstone – 1060**  
12

In this course, students will apply Agricultural and Environmental Systems program knowledge and skill in a comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Students, under supervision of the school and through partnerships, combine classroom learning with work experience in the form of mentorship employment,
cooperative education, apprenticeships and internships. Students must be active members of the Shenandoah FFA Chapter, have/conduct a valid Supervised Agricultural Experience Project (SAE), and maintain comprehensive records for their SAE on [www.theaet.com](http://www.theaet.com). Students will present to either the Noble Local School Board or the building Leadership team, a presentation that details their learning process and the ultimate outcome of the capstone course.

**Animal Science – 1080**

10,11,12  Biology

(Zane State: AGRP 1110 3 credit hrs.)

Concepts of animal production and management are introduced in this course. Aspects of animal nutrition and growth, health and sanitation, and husbandry are examined. Included in the identification of breeds, their anatomy and physiology, and behavior.

**Plant Science – 1090**

10,11,12  Biology

(Zane State: AGRP 1120 3 credit hrs.)

The traditional and sustainable methods used to increase the efficient production of plant products. Plant taxonomy, anatomy, physiology, and propagation methods are examined.

**Ag Equipment and Construction 1091**

.66  10,11,12  10th grade

(Zane State: AGRP 2540 2 credit hrs.)

Equipment and structures found on farms. Basic mechanical systems and the operation, maintenance, and safety of equipment used in agriculture are explored. Basic construction methods and materials are identified and their uses determined. Labs include operation and/or maintenance of chainsaws, tractors, and welding equipment, hand and shop power tools. Lab projects may include seed bed preparation, outdoor construction, and/or small scale logging.
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
<th>Terms</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Business Foundations – 1110</strong></td>
<td>1</td>
<td>9,10</td>
</tr>
<tr>
<td>This is the first course for the Business and Administrative Services, Finance, and Marketing career fields. It introduces students to specializations within the three career fields. Students will obtain knowledge and skills in fundamental business activities. They will acquire knowledge of business processes, economics, and business relationships. Students will use technology to synthesize and share business information. Employability skills, leadership, communications, and personal financial literacy will be addressed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Business Administration Marketing – 1120</strong></td>
<td>1</td>
<td>10,11,12</td>
</tr>
<tr>
<td>Students will obtain fundamental knowledge of marketing activities, including sales channels, marketing-information management, marketing research, market planning, marketing communications, pricing, product and service management, branding, and selling. They will conduct marketing research, identify target markets, conduct market and competitive analyses, forecast sales, set marketing goals, establish a marketing budget, and develop a marketing plan. Legal and ethical issues in marketing will be addressed. Employability skills, technology, leadership, and communications will be incorporated in classroom activities.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Business Administration Finance – 1130</strong></td>
<td>1</td>
<td>10,11,12</td>
</tr>
<tr>
<td>Students will develop knowledge and skills in financial analysis, financial reporting, and corporate investments. They will predict corporate performance and select profitable investments using financial statements, ratio analysis, and other financial analysis techniques. They will calculate cash needs using the time value of money and track, record, and summarize a business’s financial transactions. Compliance, internal controls, business governance, and personal financial management will be addressed. Technology, employability skills, leadership, and communications will be emphasized.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Financial Management – 1140</strong></td>
<td>.5</td>
<td>11,12</td>
</tr>
<tr>
<td>This course provides students with an understanding of the concepts and principles involved in managing one’s personal finances. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. This course will also include why incomes will differ in the labor market depending on supply and demand for skills, abilities and education levels.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Intro to Microcomputer – 1150</strong></td>
<td>1</td>
<td>9,10,11,12</td>
</tr>
<tr>
<td>(Zane State: BMCA 1010 3 Credit hrs.)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
This is a general survey course covering a variety of computer topics and applications. Computer history, concepts, and terminology will be explored. You will also be introduced to Microsoft Windows and the Internet as well as Word, Access, Excel and Power Point. Course will be for dual high school and college credit through Zane State.

**Excel – 1170**

1

9,10,11,12

(Zane State: BMCA 1200 3 credit hrs.)

This course will introduce you to basic and advanced spreadsheet applications utilizing Microsoft Excel. You will learn to use a spreadsheet to keep track of numerical data by tracking, analyzing and evaluating a variety of financial statements. Excel will also be used as a planning tool by providing different scenarios for impending projects. A fee applies to this course.