

# MORGAN HIGH SCHOOL

## COURSE CATALOG

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# 2020-2021

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Courses can be listed multiple times based upon the type of credit that can be issued.*

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**Fine Arts**

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WSU / Introduction to Music 1010 (M, W, F)

**Social Studies**

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WSU / Object-Oriented Programming 1410 (Fall Semester)



## Core Classes

### Language Arts.....

	<b>College -Bound</b>	<b>Vocational/Direct to work</b>
<b>9th</b>	<i>English 9 Honors*</i>	<i>English 9</i>
<b>10th</b>	<i>English 10 Honors*</i>	<i>English 10</i>
<b>11<sup>th</sup></b> (Select one)	<i>English 11 Honors*</i> <i>AP English Language**</i>	<i>English 11</i>
<b>12<sup>th</sup></b> (Select one)	<i>English 12 College Prep</i> <i>AP English Literature and Composition</i> <i>English 1010**</i>	<i>English 12 English Elective</i>

*\*Honors students are expected to maintain the academic demands and to demonstrate the maturity necessary for success in an advanced program.*

*\*\*Students who pass the AP English Language exam or English 1010 may also take English 2010 during 12<sup>th</sup> grade.*

### **Business Communications I**

Communication skills rank in the top five skills employers are demanding. This one trimester course is designed for the student who wants an edge in the world of work. Students will develop and practice listening skills, improve and demonstrate effective speaking skills, and improve writing skills as they compose business memos, reports, and letters. Opportunities will be provided to review basic grammar, punctuation, and spelling skills. Curriculum incorporates fun games and class discussions. Students can take this class during their senior year to fulfill the requirement for English.

Business communication affects all aspects of our lives. This introductory course will teach students to communicate in a clear, courteous, concise, complete, and correct manner on both the personal and professional levels. Competency will be developed in oral, written, interpersonal, technological, and employment communication. Listening skills will be incorporated throughout the trimester. The overriding goal is to provide students with a solid communication base, so they are able to communicate effectively.

**Prerequisite:** Business Office Specialist & English 9 A, B & C

**Pathway:** Business Management & Technical Support

**Credit:** English Elective or CTE

**CTE Level:** Intermediate

One Trimester

Grades: 10-12

## **Competitive Debate**

This course is designed to teach students the forms of speech and debate through in-class instruction and will then practice those skills for competition. Students are expected to compete as they would on other teams. Tournament participation will be part of the student's grade for this class. In order to compete your student must maintain a 2.0 GPA, no F's or U's. Students are required to attend tournaments. Students who participate in other extracurricular activities that conflict with a tournament date will be exempt from that tournament. Tournaments are typically on Friday evening and/or Saturday day.

Course Recommendations:

**Trimester 1: Competitive Debate (Novice and JV Students)**

**Trimester 2: Competitive Debate (All Speech and Debate Students)**

**Credit: Language Arts or Social Studies or 12th Grade English**

*Two Trimesters*

*Grades: 9-12*

**\*Fee: Participation \$100.00 / Transportation \$50.00 / year**

## **Creative Writing**

This class will focus on developing writing techniques and creative expression. Areas of focus include short story, poetry, autobiographical writing, and drama (plays/movies).

**Credit: Language Arts**

*One Trimester*

*Grades: 10-12*

## **English 9 A, B and C**

A survey English course that will include the following: grammar, vocabulary, composition, and literature. The study of composition will focus on the writing process with emphasis on sentence and paragraph structure and persuasive and argumentative writing. Literature study will include short stories, poetry, and a selected novel. At the beginning of the 1<sup>st</sup> Trimester, students will receive specific study skills and life skills designed to help 9<sup>th</sup> graders become better prepared for the challenging work often presented in high school.

**Credit: Language Arts**

*Three Trimesters*

*Grade: 9*

## **English 9 Honors A, B and C**

College Preparation English is a survey English course that will include the following: grammar, vocabulary, composition, and literature. Composition will concentrate on the writing of an informative paper, a persuasive and argumentative paper. Literature study will include short stories, poetry, and selected novels. Research, project creation, and oral presentation will also be a part of the B section. At the beginning of the 1<sup>st</sup> Trimester, students will receive specific study skills and life skills designed to help 9<sup>th</sup> graders become better prepared for the challenging work often presented in high school.

**Credit: Language Arts**

*Three Trimesters*

*Grade: 9*

**English 10 A and B**

This is a survey English course including grammar, vocabulary, composition and literature. The study of composition will focus on producing creative and well-informed argumentative writing. Literature study will be comprised of short stories, poetry, informational, argumentative and non-fiction pieces and selected novels.

**Credit:** Language Arts

*Two Trimesters*

*Grade: 10*

**English 10 Honors A and B**

A college preparation survey English course that will include the following: grammar, vocabulary, composition, and literature. The area of focus will concentrate on reading skills and analysis and argumentative writing. Literature study will include short stories, poetry, drama, and a novel. During the B portion of the class, students will write a research paper.

**Credit:** Language Arts

*Two Trimesters*

*Grade: 10*

**English 11 A, B and C**

This course is an “English Essentials” program for students who need to review basic grammar, reading, and writing. The course includes vocabulary, literature, research, and argumentative writing. Preparation for the reading and English portions of the ACT will be emphasized.

**Credit:** Language Arts

*Three Trimesters*

*Grade: 11*

**English 11 Honors A, B and C**

A college preparation survey English course that will include the following: grammar, vocabulary, composition, and literature. The students will be required to write research and argumentative papers. Grammar study will concentrate on those areas tested on the ACT. Our study in literature will include selected short stories, poetry, and novels.

**Credit:** Language Arts

*Three Trimesters*

*Grade: 11*

**English 12 A and B**

This is a “just for seniors” course designed for those who plan to pursue a vocational career or who need a boost in their reading and writing skills. All language, literature, and writing activities are designed to build overall communication skills for the business world and daily life.

**Credit:** Language Arts

*Two Trimesters*

*Grade: 12*

## **AP** AP Language & Composition A, B and C

Advanced Placement English Language and Composition introduces students to college-level writing and selected readings with an emphasis on effective writing and speaking skills. Students have the opportunity to earn college credit through exam in May.

**Prerequisite:** English Honors

**Credit:** Language Arts

Three Trimesters

Grade: 11

*\*Students should pass A and B to continue to C*

## **AP** AP Literature & Composition A, B and C

Advanced Placement English is a combination of two AP courses – Language and Literature – that introduces students to college-level coursework through an in-depth study of challenging literary texts. Emphasis is on analysis, argumentation, and writing. Students also have the opportunity to earn college credit through the exams in May.

**Credit:** Language Arts

Three Trimesters

Grade: 12

*\*Students should pass A and B to continue to C*

## **Transition English A, B and C**

For students who qualify for the Special Education program. This course focuses on remediation of basic reading and writing skills. Designed to meet students' individual needs. Students can enroll by permission only.

**Credit:** Language Arts (by permission only)

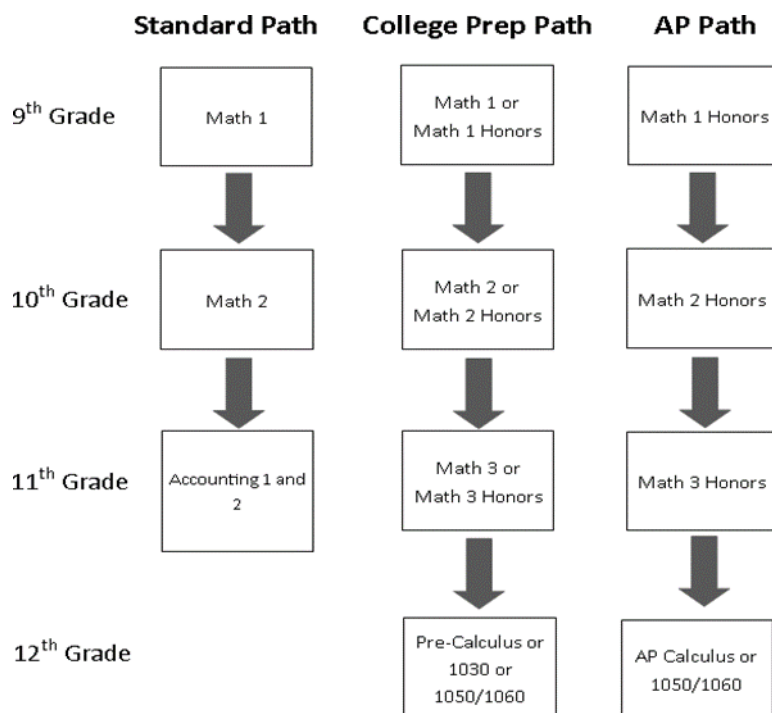
Three Trimesters

Grades: 9-12

***\*Permission required from Special Education Department***

## Mathematics.....

These math classes are listed in the recommended order for students to proceed. Please check with your advisor or a counselor if you are not sure what class you should take.



### **AP** AP Calculus A, B and C

This three-trimester course prepares students to pass the Advanced Placement Calculus Examination to receive college credit. Students learn basic differential and integral calculus of algebraic and transcendental functions and its application to real world problems. These are topics that are typically included in an introductory Calculus I college course.

**Prerequisite:** Math III Honors **or** Math 1050/1060

**Credit:** Mathematics

Three Trimesters

Grades: 11-12

*\*Should pass AP Calculus AB A to continue to AP Calculus AB B, etc.*

**\*Fee: Workbook \$10.00 and students are encouraged to either rent (\$40.00) or purchase a TI-84 calculator.**

### **AP** AP Calculus BC A, B and C

Students will learn the basics of limits, derivatives, and integrals. These concepts will be applied to find extrema volumes, etc. Other topics will include series, vector and polar functions and their derivatives. This course is similar to a Calculus I and 2 course at the college level.

**Prerequisite:** Math III Honors **or** Math 1050/1060 **or** AP Calculus AB

**Credit:** Mathematics

Three Trimesters

Grades: 12

*\*Should pass Calculus AB A to continue to Calculus AB B, etc.*

**\*Fee: Workbook \$10.00 and students are encouraged to either rent (\$40.00) or purchase a TI-84 calculator.**

### **Mathematics Lab (Elective)**

This course is for students seeking to recover math credit using Edgenuity online. It is also for students struggling in their current class to have help from a teacher during the school day.

**Credit:** *Mathematics or Elective*

*Trimesters 1, 2, or/and 3*

*Grade: 9-12*

*\*Students will be selected by their teacher*

### **Pre-Calculus A, B and C**

Students will gain a deeper understanding of functions. Students will expand their knowledge of quadratics, general polynomials, exponentials, logarithms, and trigonometric functions.

**Prerequisite:** Secondary Math III

**Credit:** *Mathematics*

*Three Trimesters*

*Grades: 10-12*

**\*Fee: Purchase or rent TI-84 calculator (\$40 rental)**

### **Secondary Math I A, B and C**

This course extends mathematical learning from the middle grades. It extends understanding of linear relationships. Later units extend geometric knowledge by using properties and theorems involving congruent figures.

**Prerequisite:** 8th grade math

**Credit:** *Mathematics*

*Three Trimesters*

*Grade: 9*

**\*Fee: Purchase or rent TI-84 calculator (\$40 rental)**

### **Secondary Math I Honors A, B and C**

This course extends mathematical learning from Secondary Math I. It extends understanding of linear relationships by contrasting them with exponential phenomena. Later units extend geometric knowledge by using properties and theorems involving congruent figures. Additional topics relating to pre-calculus are also explored, helping students in the course prepare for higher mathematics courses.

**Prerequisite:** 8th grade math

**Credit:** *Mathematics*

*Three Trimesters*

*Grade: 9*

**\*Fee: Purchase or rent TI-84 calculator (\$40 rental)**

### **Secondary Math II A, B and C**

This course extends mathematical learning from Secondary Math I. Polynomials are introduced and applications of equations are extended. Quadratics are introduced. Geometric learning is also expanded.

**Prerequisite:** Secondary Math I

**Credit:** *Mathematics*

*Three Trimesters*

*Grade: 10*

**\*Fee: Purchase or rent TI-84 calculator (\$40 rental)**

### **Secondary Math II Honors A, B and C**

This course extends mathematical learning from Secondary Math I. Polynomials are introduced as well as the complex number system and rational expressions. Quadratics are introduced and compared to linear and exponential functions. Geometric learning is also expanded. Additional topics relating to precalculus are also explored, helping students in the course prepare for higher mathematics courses.

**Prerequisite:** Secondary Math I Honors

**Credit:** *Mathematics*

*Three Trimesters*

*Grade: 10*

**\*Fee: Purchase or rent TI-84 calculator (\$40 rental)**

### **Secondary Math III A, B and C**

Students in Math III will focus on applying the accumulation of learning that they have from their previous courses. They will apply methods from probability and statistics, expand their repertoire of functions to include polynomial, rational, and radical functions. They will expand their study of right triangle trigonometry and will bring together all of their experience with functions and geometry to create models and solve contextual problems.

**Prerequisite:** Secondary Math II

**Credit:** *Mathematics*

*Three Trimesters*

*Grade: 11*

**\*Fee: Purchase or rent TI-84 calculator (\$40 rental)**

### **Secondary Math III Honors A, B and C**

Students in Math III Honors will focus on applying the accumulation of learning that they have from their previous courses. They will apply methods from probability, expand their repertoire of functions to include polynomial, rational, and radical functions. They will expand their study of right triangle trigonometry and will bring together all of their experience with functions and geometry to create models and solve contextual problems. Additional topics in precalculus are also explored.

**Prerequisite:** *Secondary Math II Honors*

**Credit:** *Mathematics*

*Three Trimesters*

*Grade: 11*

**\*Fee: Purchase or rent TI-84 calculator (\$40 rental)**

### **Transition Math I A, B and C**

For students who qualify for Special Education Services. This course explores basic math concepts including decimals, fractions, percent's, and consumer mathematics. This course is designed to meet students' individual needs.

**Prerequisite:** 8th grade math

**Credit:** *Mathematics (by permission only)*

*Three Trimesters*

*Grades 9-12*

**\*Permission required from Special Ed Department**



### **WSU Math 1030 A and B**

#### **(MATH 1030)**

This is college mathematics that will be taught at the high school.

Topics from mathematics which convey to the student the beauty and utility of mathematics, and which illustrate its application to modern society. Topics include geometry, statistics, probability, and growth and form.

For students majoring in humanities, arts, and communication.

**Prerequisite:** C average or better in each course: Secondary Math I, Secondary Math II, and Secondary Math III, or ACT Math Score of 21 or higher on the math portion of the ACT and Math III, or pass ALEKS Test with a score of 46 or above and Math III.

**Credit:** *Mathematics*

*Concurrent enrollment with WSU (4 credits)*

*Two Trimesters – 2<sup>nd</sup> hour, 2<sup>nd</sup> and 3<sup>rd</sup> trimesters*

*Grades: 12*

**\*Fee: Admission \$40.00 / Tuition \$5.00 per credit / Students will also be required to purchase a book through WSU.**



### **WSU College Algebra 1050 A and B**

#### **(MATH 1050)**

This is college algebra that will be taught at the high school.

This course will study real and complex number systems, graphs, inverse functions, polynomial and rational functions, exponential and logarithmic functions, systems of equations, elementary matrix algebra, and partial fractions. Graphing calculator required.

For students majoring in science, technology, engineering, math, and business.

**Prerequisite:** ACT Math Score of 23 or better or pass Accuplacer Test with a score of 60 or above. Math III.

**Credit:** *Mathematics*

*Concurrent enrollment with WSU (4 credits)*

*Two Trimesters*

*Grades: 11-12*

**\*Fee: Admission \$40.00 / Tuition \$5.00 per credit / Students will also be required to purchase a book through WSU**



## **Mathematics Electives.....**

### **Accounting I**

Anyone Considering owning their own business, should consider this accounting course. Discover the exciting and profitable world of accounting. Students work on handling cash, analyzing transactions, journalizing entries in the General Journal, posting to the General Ledger, preparing Financial Statements, and preparing payroll. This course is a valuable tool for handling personal as well as business finances.

Students will develop skills, beginning with an understanding of the basic elements and concepts of double-entry accounting systems related to service business organized as a sole proprietorship. Skills include understanding the accounting equation, analyzing business transactions, entering transactions in journals, posting to ledgers, compiling end-of-period financial statements, preparing closing entries, and managing cash. **It is strongly recommended to register for Accounting II after this course.**

**Prerequisite:** Secondary Math I and II

**Pathway:** *Accounting and Financial Operations*

**Credit:** *CTE or Mathematics Elective*

**CTE Level:** *Intermediate*

*One Trimester*

*Grades: 10-12 (9th Graders may petition for an "Exception")*

**\*Fee: Workbook \$10.00**

### **Accounting II**

This course will teach you how to financially evaluate an existing company using accounting ratios. Students will build on skills acquires in Accounting I. Computerized accounting will be incorporated as an essential tool.

Students will develop advanced skills that build upon those acquired in Accounting I. Students continue applying concepts of double-entry accounting systems related to merchandising businesses. Additional accounting skills will be developed, including preparing and journalizing payroll records, calculating and recording adjusting entries, and interpreting financial information. Exposure to automated accounting procedures is strongly encouraged.

This course is strongly recommended for any students interested in anticipating a career in any business, especially the finance areas.

**Prerequisite:** Accounting I

**Pathway:** *Accounting and Financial Operations*

**Credit:** *CTE or Mathematics Elective*

**CTE Level:** *Intermediate*

*One Trimester*

*Grades: 10-12 (9th graders may petition for an "Exemption")*

**\*Fee: Workbook \$10.00**

## **Science.....**

**3 Total credits are required for graduation. 2 must be earned from: either; Earth Science, Biology, Chemistry, Computer Sciences, or Physics and 1 credit earned from either elective courses or core science courses.**

### **Biology A and B**

**A** = General biology concepts such as biochemistry, photosynthesis, respiration, cell structure and function, and basic genetics are studied.

**B** = Applied genetics, evolution, classification, and the study of the kingdoms (focusing more on plant and animal kingdoms) will also be studied.

**Credit:** Science Core

*Two Trimesters*

*Grades: 10-12*

### **Biology Honors A, B and C**

Honors Biology explores the patterns, processes, relationships, and the environment of living organisms. Students will learn about interactions with organisms and the environment, cellular structure and function, genetic patterns, and evolutionary change. In this course students will gain laboratory skills as they perform many exploratory investigations and complete hands on activities. This is a college prep class that is demanding and extensive. Extra study time outside of class is expected.

**Prerequisite:** Passing grade on entrance assessment for 9th grade enrollment

**Credit:** Science Core

*Three Trimesters*

*Grades: 10-12 (9th Grade for AP path only)*



### **AP Biology A, B and C**

Students will experience a very in-depth, comprehensive coverage of all life science topics. AP Biology is a college level course that requires time spent studying daily outside of class. Extensive labs required by the College Board will be addressed. The test administered at the end of the year can give college credit.

**Prerequisite:** Biology Honors A, B and C

**Credit:** Science Core

*Three Trimesters*

*Grades: 11-12*

### **Biology-Agricultural Science A and B**

This is a state approved biology science course that uses agricultural applications to teach biology. This course meets the requirements for biology science credit using plant and animal concepts. Students take the same state core test as in other biology classes. **Students planning on being FFA members should sign up for this Biology course.**

**Pathway:** All Agriculture, Food, and Natural Science

**Credit:** Science Core or CTE

*Two Trimesters*

*Grades: 10-12*

## **Chemistry Honors A, B and C**

Honors Chemistry is a three trimester college prep chemistry course that introduces students to the language, symbols, laboratory skills and concepts of chemistry. Students will learn about the structure and properties of atoms and molecules, chemical and physical changes, and energy in chemical systems. This course will help prepare students for higher level chemistry through the use of hands-on lab experiments and chemical problem solving. Good study habits and math skills will help students be successful in this class.

**Prerequisite:** Secondary Math I

**Credit:** Science Core

*Three Trimesters*

*Grades: 10-12*

## **AP Chemistry A, B and C**

AP Chemistry is a college level chemistry course with rigorous labs and chemical problem solving. Successful completion of a high school level Chemistry class is required as a prerequisite for AP Chemistry. Students in AP Chemistry will review some content from Honors Chemistry from a more sophisticated perspective and will also study more advanced topics such as kinetics, equilibrium, and electrochemistry. Work in the lab will be a regular part of lessons, and students will keep a lab notebook to record their data and analysis. Time spent outside of class is required. College credit may be earned through the AP exam.

**Prerequisite:** Chemistry

**Credit:** Science Core

*Three Trimesters*

*Grades: 11-12*

**\*Fee: \$25 course fee**



## **Computer Programming I CE**

**(WSU CS 1030)**

A combination of Computer Programming I & Computer Programming II are taught to fulfill the State Board of Education's requirement for concurrent enrollment credit.

This class is an introductory course in program engineering and applications. The course introduces students to the fundamentals of computer programming. Students will learn to design, code, and test their own programs while applying mathematical concepts. Teachers introduce coding concepts and problem-solving skills to beginning students through a programming language such as C++, C#, Java, Python, or JavaScript. Students will also be introduced to more complex data structure and their uses, including arrays and classes. Students will learn to create more powerful programs.

**Prerequisite:** Exploring Computer Science

**Credit:** Science Elective **or** CTE **or** Digital Studies

*One Trimester*

*Grades: 9-12*



## **Computer Programming II CE**

### **(CS 1400 Fundamentals of Programming - JAVA)**

This is a college class that will be taught at the high school.

This course reviews (Strands 1-6) and builds on the concepts introduced in Computer Programming I. Beginning in Strand 4, and then Strands 7-10, this course introduces students to more complex data structures and their uses, including sequential files, arrays, and classes. Students will learn to create more powerful programs within a specific programming language: Java, Python, C++, C#, Swift.

**Prerequisite:** Business Office Specialist & Computer Science Principles

**Pathway:** *Business management & Technical Support*

**Credit:** *CTE or Science Elective*

**CTE Level:** *Advanced*

*One Trimester*

*Grades 10-11*

**\*Fee:** *WSU Registration \$30.00 /Tuition \$20*



## **Computer Science Principles CE**

### **(CS 1030 Foundations of Computing)**

This is a college class that will be taught at the high school.

This course is the entry level college course and required if a student is seeking a Computer Science Associates Degree at the same time as they graduate from high school.

This course follows a project to develop a computer science course that seeks to broaden participation in computing and computer science. The course places emphasis on the principles of computer science rather than just programming. Big ideas and concepts include:

1. Computing is a creative activity.
2. Abstraction reduces information and detail to facilitate focus on relevant concepts.
3. Data and information facilitate the creation of knowledge.
4. Algorithms are used to develop and express solutions to computational problems.
5. Programming enables problem solving, human expression, and creation of knowledge.
6. The Internet pervades modern computing.
7. Computing had global impacts.

Note 1: SCP course is currently a 1.0 credit course. There is a need to collect the most relevant concepts and include them into a trimester of the course to match the Digital Studies requirement

**Prerequisite:** Business Office Specialist & English 9 A, B & C or Intro to Writing

**Pathway:** *Business Management & Technical Support*

**Credit:** *CTE or Science Elective*

*One Trimesters*

*Grades 10-12*

**\*Fee:** *Course is \$15.00. If not a WSU Concurrent Student- \$30 Application Fee*

## **Earth Science A and B**

**A=** Study of the developing theories about the universe, galaxy, and solar system, layers of the earth, and the atmosphere.

**B=** Study of weather, climate, and the hydrosphere, along with human impact on Earth's systems. A study of energy relationships.

This class includes many hands-on lab and exploration activities. A great class to precede biology, chemistry and physics.

**Credit:** *Science Core*

*Two Trimesters*

*Grades: 9-12 (9th grade recommended)*

## **Human Biology**

This course provides a basic survey of human biology. Emphasis on the basic structure and function of body systems and the medical terminology used to describe normal and pathological states. Upon completion, students should be able to demonstrate an understanding of normal anatomy and physiology and the appropriate use of medical terminology.

**Prerequisite:** Biology, Biology Honors, **or** Biology-Agricultural Science

**Credit:** *Science Core or Science Elective*

*One Trimester*

*Grades: 10-12*

## **Physics Honors A, B and C**

Honors Physics is an exciting Utah State Physics SEEd curriculum including hands-on labs to learn how to use tools, sensors, and scopes. Interesting study of forces, energy, fields, heat, mechanical and light waves.

**Prerequisite:** Strong math skills

**Pathway:** *All Engineering & Technology Pathways*

**Credit:** *Science Core*

*Two Trimesters*

*Grades: 9-12*

## **AP Physics A, B and C**

Algebra-based introductory college level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electrical charge and electrical force; DC circuits; and mechanical waves and sound. Passing grade on the AP exam of 3 to 5 required for most institutions.

**Prerequisite:** Math II Honors **or** Math III highly recommended

**Credit:** *Science Core*

*Three Trimesters*

*Grades: 10-12*

## **AP** AP Physics 2 A, B and C

Algebra-based physics course exploring topics such as fluid dynamics, thermodynamics, electrostatics, circuitry, magnetic fields, optics, and nuclear physics. Hands-on labs and inquiry-based learning will help students to understand some of the most interesting topics in all of science! Upon completion of the course and passing of the AP Physics 2 exam with a 3, 4, or 5, most universities and colleges will offer college credit.

**Prerequisite:** Students must have completed one of the following: AP Physics 1, Physics with Technology along with Chemistry, **or** AP Chemistry.

**Credit:** *Science Core*

*Three Trimesters*

*Grades 10-12*

## **Science Electives.....**

### **Agricultural Science I A and B**

This class is especially for freshmen. Students are introduced to all aspects of agriculture including: plants, animals, natural resources, food, and opportunities available in FFA.

**Pathway:** *Most Agriculture, Food, and Natural Science*

**Credit:** *Science Elective or CTE*

*Two Trimesters*

*Grades: 9-12*

### **Animal Science I A and B**

This course exposes students to a wide range of scientific principles such as genetics, anatomy, physiology, nutrition, diseases, pests, reproduction, behavior and management practices of all kinds of animals. Career opportunities and educational preparation are also examined. The students will have many hands-on activities, including dissections that will help them relate what they have learned to the real life around them. There will be FFA related experiences throughout the trimester.

**Pathway:** *Agriculture Production Systems, Animal and Veterinary Science*

**Credit:** *Science Elective or CTE*

*Two Trimesters*

*Grades: 9-12*

### **Earth and Space Science A and B**

In Earth and Space Science, students investigate processes and mechanisms that have resulted in the formation of our Earth, galaxy, and universe. Students learn about the life span of the Sun, Earth's history and changes to Earth's systems, Earth's interior, and cycling of matter, as well as, properties of water and its effects on Earth's materials. Finally, students use computational thinking to explain sustainable and natural resources focusing on responsible stewardship and possible solutions to problems that exist in these areas. This class includes many hands-on labs and exploration activities and helps students build foundational science skills that aid students in biology, chemistry, and physics.

**Credit:** *Science Core*

*Two Trimesters*

*Grades: 9-12 (9th grade recommended)*

### **Human Biology**

This course provides a basic survey of human biology. Emphasis on the basic structure and function of body systems and the medical terminology used to describe normal and pathological states. Upon completion, students should be able to demonstrate an understanding of normal anatomy and physiology and the appropriate use of medical terminology.

**Prerequisite:** *Biology, Biology Honors or Biology-Agricultural Science*

**Credit:** *Science Elective*

*One Trimester*

*Grades: 10-12*

### **Material Science A and B**

This class will use the general application of math and science to analyze and study the characteristics and behavior of different types of materials such as composites (light-weight and high-strength products such as materials used in the making of aircrafts), ceramics (glass), and polymers (plastics), and metals. The material taught in this class will be done through labs and discussions. It is a great introductory course for those students who are interested in science, technology, engineering, mathematics, or manufacturing. This will be a hands-on learning environment.

**Pathway:** *Material Science*

**Credit:** *Science Elective or CTE*

*Two Trimesters*

*Grades: 9-12*

### **Medical Anatomy and Physiology A and B**

This is a two-trimester course for students who are serious about pursuing a health related career. This class provides in-depth knowledge about the structure, function, and activities of the human body. It is a prerequisite into Advanced Anatomy and Physiology and courses required for all health care occupations.

**Pathway:** *All Health Science Pathways*

**Credit:** *Science Elective or CTE*

*Two Trimesters*

*Grades: 11-12*

### **Medical Terminology**

This is a one-trimester course in which students will learn more about the medical language. They will review important terms for each system in the body, medical abbreviations, and the study of certain diseases and disorders. Medical Anatomy and Physiology is highly recommended as a prerequisite but not required.

**Pathway:** *All Health Science Pathways*

**Credit:** *Science Elective or CTE*

*One Trimester*

*Grades: 11-12*

### **Science Olympiad**

This 2nd trimester only course is designed for students to utilize class time to implement Utah Science with Engineering State Standards as they prepare for Science Olympiad events. These events include test-based, lab-based, and engineering design methods of learning. Students will be required to participate in region and state competitions. This is ideal for students that are self-starters and can work independently.

**Credit:** *Science Elective*

*2nd Trimester Only*

*Grades: 9-12*



## **Wildlife Biology A and B**

This course is designed to discuss the interaction between humans, wildlife, and the environment. Students will examine the effect of humans' presence on wildlife and the environment. One trimester will include environmental and survival issues and one trimester will cover the animals of Utah. Wilderness survival skills are also stressed.

***Credit: Science Elective***

*Two Trimesters*

*Grades:10-12*

## Social Studies.....

### **AP** AP European History A, B and C

The study of European history since 1300 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. In addition to providing a basic narrative of events and movements, the goals of the AP program in European History are to develop **(a)** an understanding of some of the principal themes in modern European History, **(b)** an ability to analyze historical evidence and historical interpretation, and **(c)** an ability to express historical understanding in writing.

**Credit:** Social Studies (this class counts as World History credit)

Three Trimesters

Grades: 10-12

**\*Fee: AP test (administered at the end of the year - can give college credit) \$84.00.**

### **Competitive Debate**

This course is designed to teach students the forms of speech and debate through in-class instruction and will then practice those skills for competition. Students are expected to compete as they would on other teams. Tournament participation will be part of the student's grade for this class. In order to compete your student must maintain a 2.0 GPA, no F's or U's. Students are required to attend tournaments. Students who participate in other extracurricular activities that conflict with a tournament date will be exempt from that tournament. Tournaments are typically on Friday evening and/or Saturday day.

#### **Course Recommendations:**

**Trimester 1:** Competitive Debate (Novice and JV Students)

**Trimester 2:** Competitive Debate (All Speech and Debate Students)

**Credit:** Language Arts or Social Studies or 12th Grade English

Two Trimesters

Grades: 9-12

**\*Fee: Participation \$100.00 / Transportation \$50.00 / year**

### **Government and Citizenship**

This course will foster a vision of why we enjoy so much personal freedom and prosperity in America. It will explain the different systems of government throughout the world and the different economic principles underlying each type of government – illustrating the great virtues of our republic. Students will gain sufficient understanding of the principles of our nation's founding documents so that they may become responsible citizens. The Basic Civics exam required for graduation will be administered in this class.

**Credit:** Social Studies

One Trimester

Grade: 12

## **Psychology I**

This course introduces students to the scientific study of why we do what we do. We will look at the behavior and mental processes of humans and other animals. Topics that may be explored include research methods, biological basis of behavior, psychological disorders and their treatment, sensation and perception, states of consciousness, memory, sleeping, language, learning, intelligence, hypnosis, dreams, personality, human development and social psychology.

**Credit:** *Social Studies*

*One Trimester*

*Grades: 11-12*

## **Psychology I / Sport Psychology**

Students will examine the brain's role in sports. Looking at different aspects of mental toughness and understanding how to look past previous shortcomings and move past those and achieve success on and off the field. Students will also study the belief that toughness depends on emotional flexibility, responsiveness and strength, and demonstrates itself in an athlete's ability to perform consistently in the upper ranges of his or her skill. We will discuss in detail the problems of stress, innate in any competitive endeavor, recovery from it and how to strike a balance between stress and recovery. Students must be a member of an athletic team or involved in a competition group at MHS to enroll in this class.

**Credit:** *Social Studies*

*One Trimester*

*Grades: 11-12*

## **Psychology II**

This course will expand a student's understanding of human behavior by studying deeper into social psychology, abnormal psychology, states of consciousness, memory and exploring psychology as a profession.

**Prerequisite:** Psychology I or Psychology I / Sport Psychology

**Credit:** *Social Studies*

*One Trimester*

*Grades: 11-12*

## **US History A and B**

**A** = Includes events in United States history from the Age of Exploration through Reconstruction, emphasizing the 18th and 19th centuries. Topics include: European exploration and colonization, the War for Independence, nation building, expansion, the Civil War, and Reconstruction.

**B** = Addresses the making of modern America, highlighting the events in United States history from the late Industrial Revolution to modern times. Topics include: Industrial Revolution, imperialism, and foreign affairs, the World Wars, the Great Depression, the Cold War, and modern political history.

**Credit:** *Social Studies*

*Two Trimesters*

*Grade: 11*

## **US History Through Film**

Films have been created which cover much of American history. The US History Through Film curriculum offers students a unique way to view American History through the Hollywood lens. Through film analysis, students will gain new insight into the historical events that occurred from the American Revolution through recent US history. This course will look at how various aspects of history are portrayed in films and contrast that with “how it really was.” Both the filmmaker and historian share common methodology. They study appropriate sources, then select and arrange facts to tell their story. It is the historian’s task to separate fantasy from fact. A major goal of this course is to determine what is valid in contemporary films and historical dramas. In addition to learning historical accounts, students will explore character development, conflict, theme, symbolism, foreshadowing, and geographical / social / cultural settings.

***Credit: Social Studies Elective***

*One Trimester*

*Grades: 11-12*

## **World Geography**

Students will study the world in terms of environment, government, location, climate, population, culture, industry, agriculture, terminology, map reading, soils, vegetation, and physical features.

***Credit: Social Studies***

*One Trimester*

*Grade: 9*

## **World History I**

The study of World Civilizations emphasizes the increasing interrelationships over time of the world’s people. This course will focus on the various relations in the world and includes all aspects of human activity: political, economic, social, philosophical and religious, scientific and technological, and artistic. This class will survey human history from ancient Greece to the Late Middle Ages. It is recommended that students take this class or World Civilizations Modern during their sophomore year.

***Credit: Social Studies***

***AP European History can be taken for World History credit***

*One Trimester*

*Grade: 10-12 (10th recommended)*

## **World History II**

The study of World Civilizations emphasizes the increasing interrelationships over time of the world’s people. This course will focus on the various relations in the world and includes all aspects of human activity: political, economic, social, philosophical and religious, scientific and technological, and artistic. This class will survey human history from the Renaissance to the Modern Era. It is recommended that students take this class or World Civilizations Ancient during their sophomore year.

***Credit: Social Studies***

***AP European History can be taken for World History credit***

*One Trimester*

*Grade: 10-12 (10th recommended)*

# Career and Technical Education Career Pathways (CTE)

## **Agriculture, Food and Natural Science**

### **Agricultural Science I A and B**

This class is especially for freshman. Students are introduced to all aspects of agriculture including: plants, animals, natural resources, food, and opportunities available in FFA.

**Pathway:** *Most Agriculture, Food, Natural Science*

**Credit:** *CTE or Science Elective*

*Two Trimesters*

*Grades: 9-12*

### **Animal Science I A and B**

This course exposes students to a wide range of scientific principles such as genetics, anatomy, physiology, nutrition, diseases, pests, reproduction, behavior and management practices of all kinds of animals. Career opportunities and educational preparation will also be examined. The students will have many hands-on activities, including dissections that will help them relate what they have learned to the real life around them. There will be FFA related experiences throughout the trimester.

**Pathway:** *Agriculture Production Systems, Animal and Veterinary Science*

**Credit:** *CTE or Science Elective*

*Two Trimesters*

*Grades: 10-12*

### **Biology-Agricultural Science A and B**

This state approved biology science course uses agricultural applications to teach biology. This course meets the requirement for biology science credit using plant and animal concepts. Students take the same state core test as in other biology classes. **Students planning to be FFA members should sign up for this Biology Course.**

**Pathway:** *All Agriculture, Food and Natural Science*

**Credit:** *CTE or Science Core*

*Two Trimesters*

*Grades: 10-12*

### **Equine Science I (Horse Management) A and B**

This course prepares students to care for horse equipment; to train horses for various work and athletic or entertainment roles; and to manage horse training, breeding, feeding and housing program and facilities.

**Pathways:** *Animal and Veterinary Science*

**Credit:** *CTE or Elective*

*One Trimester*

*Grades: 10-12*

## **Floriculture**

This is a fun class where students develop skills used in floral design and the floral industry. Students will learn to create floral arrangements and grow and identify plants. Skills learned in this class prepare students for careers in the floral and horticulture industry or can be for personal use. FFA activities will also be discussed.

**Pathways:** *Plant Science*

**Credit:** *CTE or Fine Arts*

*One Trimester*

*Grades: 10-12*

## **Floriculture and Greenhouse Management A and B**

Students will learn essential skills while working in the greenhouse. Students will learn design principles while constructing and arranging floral arrangements. Students will plant, water, transplant, propagate and prepare a variety of plants to meet customer's needs. This is a hands-on course and participation is expected. Each student will have a viable supervised agricultural experience and participate in FFA sponsored leadership activities.

**Pathway:** *Plant Science*

**Credit:** *CTE*

*Two Trimesters*

*Grades: 9-12*

## **Summer Vocational Agriculture**

An Intensive, individualized, and experiential education experience which the practical application of instructional competencies. Teacher supervision of the student's SAE Program will be a major part of the summer program. Competitions, field trips, and record books will be a part of this summer experience. Contact the Agricultural teacher to register.

**Pathway:** *All Agriculture, Food, and Natural Science*

**Credit:** *CTE, .25 Credit*

*Summer Months*

*Grades: 9-12*

## **Veterinary Assistant I A and B**

This course provides the opportunity for students to explore different avenues of the Veterinary profession. Students will be exposed to veterinary science and principles which will include, anatomy, physiology, chemistry, animal health and disease, dentistry and laboratory procedures. Students will provide hands-on care as they develop skills in the areas of surgical assisting, bandaging, wound care, oral care, and general nursing care.

**Prerequisite:** *Biology or Bio-Ag Science A*

**Pathway:** *Animal and Veterinary Science*

**Credit:** *CTE or Elective*

*Two Trimesters*

*Grades: 11-12*

**\*Fee: Supplies \$10.00**

## Architecture and Construction

### Advanced Interior Design

Develop Industry skills by applying previous content acquired in Interior Design I and II. Projects are integrated throughout the course to provide students with hands on application as they explore careers in interior design, design technology, product specification, sustainability and universal design.

**Prerequisite:** Interior Design I & Interior Design II

**Pathway:** *Interior Design*

**Credit:** CTE

*One Trimester*

*Grades: 10-12*

### Construction Trades Foundation

A course that generally prepares individuals in the following areas: basic safety, introduction to blueprint reading, introduction to power tools, introduction to hand tools, and introduction to construction math. It also includes an industry overview, what to expect on the job and specific career opportunities. It is designed to allow for replica house building on a ¼"=1'0" scale. This course is based on the current National Center for Construction Education and Research (NCCER) task list.

**Pathway:** *Carpentry*

**Credit:** CTE

*One Trimester*

*Grades 9-12*

### Interior Design I

This course explores the field of interior design through engaging learning activities. Identification and use of the elements and principles of design are emphasized. Other topics are furniture arrangements, floor plan evaluation, space planning, and design-related careers. Skills learned can be applied to current living environment and future career options.

**Pathway:** *Interior Design*

**Credit:** CTE

*One Trimester*

*Grades: 9-12*

### Interior Design II

Develop skills in applying the elements and principles of design to interiors. Projects will be integrated throughout the course to provide applications as the students' study architecture, furniture styles and construction, surface treatment, lighting, window treatment, and more.

**Prerequisite:** Interior Design I

**Pathway:** *Interior Design*

**Credit:** CTE

*One Trimester*

*Grades: 9-12*

## Arts, Audio/Visual Technology and Communications

### **Advanced Commercial Photography**

Students will experience an in-depth study of technical aspects of photography including lenses, camera, basic composition, displaying photos, studio lighting and motion pictures. Included is a study of the principles and elements of art and artistic design as they apply to photography.

**Prerequisites:** Basic Digital Photography

**Pathway:** *Graphic Design and communication: Commercial Photography and Broadcasting: Audio/Visual Production Professional*

**Credit:** *CTE or Fine Arts*

*One Trimester*

*Grades: 9-12*

### **Basic Digital Photography**

Introduction to getting started in commercial digital photography. This course will cover basic concepts for purchasing a digital camera, image capture, image editing, and image output. This will enable the digital camera user to purchase and more comfortably use the camera that will best suit their present and future needs.

**Pathway:** *Graphic Design and Communication: Commercial Photography, Commercial Art and Broadcasting: Audio/Visual Production Professional*

**Credit:** *CTE or Fine Arts*

*One Trimester*

*Grades: 9-12*

### **Commercial and Advertising Art**

This is a course in the applied visual arts that prepares individuals to use artistic techniques to effectively communicate ideas and information to business and consumer audiences via illustrations and other forms of digital media. Instruction includes training in concept design, layout and techniques such as screen printing, drawing, cartooning, painting, collage, and computer graphics.

**Pathways:** *Graphic Design and Communication: Commercial Art*

**Credit:** *CTE or Fine Arts*

*One Trimester*

*Grades: 10-12*

### **Digital Graphic Arts Introduction**

This course is designed to provide students with the basic knowledge and skills related to the graphic designed industry. It is intended to serve as a starting point for several pathways including Digital Media, Graphics and Printing, 3D Animation and Game Development. This includes instruction and hands-on assignments in the following areas: creative design and layout, typography, color, related software, and computer and professional skills.

**Pathway:** *Graphic Design and Communication: Commercial Photography, Digital Media, Graphics Printing*

**Credit:** *CTE or Fine Arts*

*One Trimester*

*Grades: 9-12*



## **Digital Media I**

Digital Media is the process of analyzing, designing and developing interactive media. Digital Media I is the first-year digital media course where students will create and learn digital media applications while using elements of text, graphics, animation, sound, video, and digital imaging for various formats. These abilities will prepare students for entry-level multimedia positions and provide fundamental 21<sup>st</sup> century learning skills beneficial for other occupational/educational endeavors.

**Pathway:** *Graphic Design and Communication: Commercial Photography, Digital Media, Graphics Printing, Commercial Art, and Broadcasting: Audio/Visual Production Professional, Broadcasting Professional*

**Credit:** *CTE or Fine Arts*

*One Trimester*

*Grades: 9-12*

## **Digital Media II**

Digital Media II is a course designed to teach the process of planning, instructional design, development, and publishing of digital media and interactive media projects. Digital Media II is the second year course within digital media pathway where students will focus on developing advanced skills to plan, design, and create interactive projects using the elements of text, 2-D and 3-D graphics, animation, sound, video, digital imaging, interactive projects, etc. These skills can prepare students for entry-level positions and other occupational/educational goals.

**Prerequisite:** Digital Media I

**Pathway:** *Graphic Design and Communication: Digital Media*

**Credit:** *CTE or Fine Arts*

*One Trimester*

*Grades: 10-12*

## **Digital Media II / Yearbook I, II, and III**

Students desiring to be on the yearbook staff need to pick up an application from Mr. Fuller. Selection is made from the completed applications. Top students will be chosen from the applications received. Students will produce the high school yearbook using online software from Jostens.

**Prerequisite:** Digital Graphic Arts Introduction / Digital Media / Digital Photography

**Pathway:** *Graphic Design and Communication: Digital Media*

**Credit:** *CTE or Fine Arts*

*Three Trimesters*

*Grades: 10-12*

*\*Teacher permission requires*

*\*Must be able to take at LEAST 2 trimesters*

### **Graphic Communications -Intermediate (Printing)**

This course is designed to be a continuation of Digital Graphic Arts Introduction. The course prepares individuals to apply technical knowledge in the areas of design and layout, related computer and software, safety, printing processes, finishing and binding, and professional skills. The course includes instruction in printing, printing equipment and operation, computer hardware and software, digital imaging, print preparation, and electronic prepress.

**Prerequisite:** Digital Graphic Arts Intro **or** Commercial and Advertising Art **or** Digital Media I

**Pathway:** *Graphic Design and Communication: Graphics Printing*

**Credit:** *CTE or Fine Arts*

*One Trimester*

*Grades: 10-12*

### **Screen Printing Technology (T-Shirt Design/Printing)**

This course is designed to provide students with the knowledge to create, produce and reproduce visual graphics that communicate to an audience. Develop the knowledge and skills relative to the graphic design and screen-printing industries. Includes instructions and hands-on experiences in design and layout, digital prep of designs, and multiple color printing processes on various substrates. Provides an overview of the screen-printing and print making industries on the commercial level. Instructions include the use of industry standard graphics software with the Adobe Creative Suite.

**Prerequisite:** Digital Graphic Arts Intro **or** Commercial and Advertising Art **or** Digital Media I

**Pathway:** *Graphic Design and Communication: Graphics Printing*

**Credit:** *CTE or Fine Arts*

*One Trimester*

*Grades: 10-12*



### **Sports and Outdoor Product Design I**

This class is a beginning sewing class that will introduce basic design and construction skills using technical fabrics and lab equipment to make projects for the outdoor/sports industry. Students will also learn about and prepare for employment opportunities in the outdoor/sports industry.

**Concurrent Enrollment Credit may be earned through Utah State University** as well. Students are responsible for purchasing their fabric and any individual supplies. Students may repeat this course with teacher approval.

**Pathway:** *Fashion, Apparel & Textiles*

**Credit:** *CTE and/or 3 CE Credits for Utah State University*

*One Trimester*

*Grades: 9-12*



## **Sports and Outdoor Product Design II**

Students will further strengthen and broaden sports and outdoor design and production techniques. In this course they design and construct intermediate level projects using various construction intermediate level projects using various construction techniques.

These skills prepare students for the exciting global sports and outdoor industry and entrepreneurial opportunities.

**Pathway:** *Fashion, Apparel & Textiles*

**Credit:** *CTE and/or 3CE Credit for Utah State University*

## **Video Production I**

This course is designed to provide students with the basic knowledge and skills related to the video production industry. This includes instruction and hands-on assignments in the following areas: camera operation, audio systems, lighting systems, pre-production, studio operations, control room operations, visual effects and graphics, and copyright laws.

**Pathway:** *Audio/Visual Production Professional*

**Credit:** *CTE*

*One Trimester (Students may repeat with teacher permission)*

*Grades: 9-12*

## **Video Production II**

This course is designed for students who want to further enhance their filmmaking knowledge and abilities. It is an application of the skills learned in Video Production I with an additional emphasis on advanced techniques in cinematography, audio production, postproduction, and storytelling. Students are expected to create a portfolio by the end of the course.

**Prerequisite:** Video Production I

**Pathway:** *Audio/Visual Production Professional*

**Credit:** *CTE*

*One Trimester (students may repeat with teacher permission)*

*Grades: 10-12*

## Business Finance and Marketing

### Accounting I

Anyone considering owning their own business, should consider this accounting course. Discover the exciting and profitable world of accounting. Students work on handling cash, analyzing transactions, journalizing entries in the General Journal, posting to the General Ledger, preparing financial statements, and preparing payroll. This course is a valuable tool for handling personal as well as business finances.

Students will develop skills, beginning with an understanding of the basic elements and concept of double-entry accounting systems related to service business organized as a sole proprietorship. Skills include understanding the accounting equation, analyzing business transactions, entering transactions in journals, posting to ledgers, compiling end-of-period financial statements, preparing closing entries, and managing cash. **It is strongly recommended to register for Accounting II after this course.**

**Prerequisite:** Secondary Math I and II

**Pathway:** *Accounting and Financial Operations*

**Credit:** *CTE or Mathematics Elective*

**CTE Level:** *Intermediate*

*One Trimester*

*Grades: 10-12 (9<sup>th</sup> graders may petition for an "Exception")*

**\*Fee: Workbook \$10.00**

### Accounting II

This course will teach you how to financially evaluate an existing company using accounting ratios. Students will build on skills acquired in Accounting I. Computerized accounting will be incorporated as an essential tool.

Students will develop advanced skills that build upon those acquired in Accounting I. Students continue applying concepts of double-entry accounting systems related to merchandising businesses. Additional accounting skills will be developed, including preparing and journalizing payroll records, calculating and recording adjusting entries, and interpreting financial information. Exposure to automated accounting procedures is strongly encouraged.

This course is strongly recommended for any students interested in anticipating a career in any business, especially the finance areas.

**Prerequisite:** Accounting I

**Pathway:** *Accounting and Financial Operations*

**Credit:** *CTE or Mathematics Elective*

**CTE Level:** *Intermediate*

*One Trimester*

*Grades: 10-12 (9<sup>th</sup> graders may petition for an "Exemption")*

**\*Fee: Workbook \$10.00**

## **Business Communications I**

Communication skills rank in the top five skills employers are demanding. This one trimester course is designed for the student who wants an edge in the world of work. Students will develop and practice listening skills, improve and demonstrate effective speaking skills, and improve writing skills as they compose business memo, reports, and letters. Opportunities will be provided to review basic grammar, punctuation, and spelling skills. Curriculum incorporates fun games and class discussion. Students can take this class during their senior year to fulfill the requirement for English.

Business communication affects all aspects of our lives. This introductory course will teach students to communicate in a clear, courteous, concise, complete, and correct manner on both the personal and professional levels. Competency will be developed in oral, written, interpersonal, technological, and employment communication. Listening skills will be incorporated throughout the trimester. The overriding goal is to provide students with a solid communication base, so they are able to communicate effectively.

**Prerequisite:** Business Office Specialist & English 9 A, B & C

**Pathway:** *Business Management and Technical Support*

**Credit:** *CTE or English Elective*

**CTE Level:** *Intermediate*

*One Trimester*

*Grades: 10-12*

## **Business Management**

This Business Management course seeks to develop sound management concepts within students, as management plays a role in any future employment opportunity. Students are able to analyze, synthesize, and evaluate data from the other functional areas of business (e.g., marketing, finance, and production/operation). Effective management requires decision-making abilities, long range planning knowledge, human relations expertise, and motivational skills. Students learn the four basic functions of management: Planning, organizing, directing, and controlling.

**Pathway:** *All Business Finance and Marketing*

**Credit:** *CTE*

*One Trimester*

*Grades: 9-12*

## **Business Management CE**

This is Weber States concurrent course. This is the college level 1 course for Business Majors. For High School students it will introduce them to business structures and organizations. This course helps students understand why managers and supervisor's actions matter to the success of the organization.

This course seeks to develop sound management concepts within students, as management plays a role in future employment opportunity. Students are able to analyze, synthesize, and evaluate data from the other functional areas of business (e.g. marketing, finance, and production/operation). Effective management requires decision-making abilities, long-range planning knowledge, human relations expertise, and motivational skills. Students learn the four basic functions of management: planning, organizing, directing, and controlling.

Note: Students should have applied to either the early enrollment or concurrent enrollment programs at Weber State University. After students are accepted to the university, the cost of the course is \$5.00/credit (i.e. \$30.00 application fee & \$15.00 course fee – 3 college credit hours).

**Prerequisite:** Complete English 9 A, B & C prior to taking the class. This course requires Word Processing experience.

**Credit:** CTE

*One Trimester*

*Grades: 10-12*

**\*Fee: WSU Application Fee if not a CE or Early College Student \$30.00 / Tuition: \$15**

## **Business Office Specialist**

*(If seeking college credit, wait until 10th grade and take CE course)*

Students who desire to learn Microsoft Office Products (Word, PowerPoint, Excel, & Access) and to use them in an education and business setting will truly enjoy this class.

This course applies advanced concepts and principles using word processing, spreadsheets, databases, and electronic presentation software. Students may have the opportunity to obtain a Microsoft Office Specialist industry certificate through Microsoft and Certiport per district discretion. The certification is recognized worldwide as the best method for employers to validate computer skill proficiency. Students will integrate applications learned. This course builds on skills included in Digital Literacy. Keyboarding 35 words per minute is recommended.

**Pathway:** *Business Management & Technical Support*

**Credit:** *CTE or Digital Studies*

**CTE Level:** *Introductory*

*One Trimester*

*Grades: 10-12*



## **Business Office Specialist CE**

**(WEB 1700)**

This is a college class that will be taught at the high school.

Similar to the high school class this course teaches Microsoft Office Products (Word, PowerPoint, Excel, & Access) at a level high enough to be certified. Students can qualify for a Microsoft Office Specialist Certification. This course applies advanced concepts and principles using word processing, spreadsheets, databases, and electronic presentation software. Students may have the opportunity to obtain a Microsoft Office Specialist industry certificate through Microsoft and Certiport per district discretion. The certification is recognized worldwide as the best method for employers to validate computer skill proficiency. Student will integrate applications learned. This course builds on skills included in Digital Literacy.

**Prerequisite:** English 9 A, B & C

**Pathway:** *Business Management & Technical Support*

**Credit:** *CTE or Digital Studies*

**CTE Level:** *Introductory to Intermediate*

*One Trimester*

*Grades: 10-12*

**\*Fee:** *WSU Application Fee if not a CE or Early College Student \$30.00 / Tuition: \$15*

**\*Fee:** *Currently Morgan High School receives a grant to provide the 85.00 Exam at no charge*

## **Entrepreneurship**

*(If seeking college credit, wait until 10<sup>th</sup> grade and take CE course)*

Students will gain an understanding of the marketing and management principles necessary to start and operate their own business. They will develop an awareness of the opportunities for small business ownership and develop the planning skills needed to open a small business. Students will become aware of the traits and characteristics of successful entrepreneurs. Students gain an awareness of knowledge needed in research, planning and regulations affecting the small business and the means of financing a small business. They will understand the specific strategies of business management and marketing and the economic role of the entrepreneur in the market system. Entrepreneurship is designed for students enrolled in Business Education, and/or other courses, who have an interest in developing skills, attitudes, and knowledge necessary for successful entrepreneurs.

**Pathway:** *Entrepreneurship, Customer Service and Management*

**Credit:** *CTE*

*One Trimester*

*Grades: 11-12*



## Entrepreneurship CE

### (ENTR 1002)

Students will gain an understanding of the marketing and management principles necessary to start and operate their own business. They will develop an awareness of the opportunities for small business ownership and develop the planning skills needed to open a small business. Students will become aware of the traits and characteristics of successful entrepreneurs. Students gain an awareness of knowledge needed in research, planning and regulations affecting the small business and the means of financing a small business. They will understand the specific strategies of business management and marketing and the economic role of the entrepreneur in the market system. Entrepreneurship is designed for students enrolled in business and marketing education, and/or other courses, who have an interest in developing skills, attitudes, and knowledge necessary for successful entrepreneurs.

**Prerequisite:** Business Office Specialist & English 9 A, B & C or Intro to Writing 1010

**Pathway:** *Business Management & Technical Support*

**Credit:** CTE

**CTE Level:** *Intermediate*

*One Trimester*

*Grades: 10-12*

**\*Fee: Course is \$15 / WSU Application Fee if not a WSU Concurrent Student: \$30.00**

## Sports and Entertainment Marketing

This is an introductory and specialized marketing course that will help students gain an understanding of the marketing concepts as they apply to sports and entertainment industry. The areas this course will cover include: core marketing standards, market segmentation, target marketing, the event marketing triangle (events, fans, and sponsors), sports and entertainment promotion and marketing plans. Students in this course learn how to build a sports organization. The use of fantasy football helps in setting up the product, which students learn to promote and price events at a feasible place (a city that can support and NFL football franchise).

**Pathway:** *Business Management & Technical Support*

**Credit:** CTE

*One Trimester*

*Grades: 10-12*



## Education and Training

### Adult Roles and Financial Literacy A & B

This course prepares students to understand human relationships involving individuals and families integrated with general financial literacy. Topics include career and workforce preparation; dating, marriage, and parenting; decision-making, communication, and self-awareness; money management, saving, investing; and individual roles and responsibilities within the family, community, and workforce.

**Note:** By Utah State law, parental or guardian consent is required for a student to participate in human sexuality instruction. State policy states that instruction includes the importance of marriage and the family, abstinence from sexual activity before marriage, and fidelity after marriage.

**Pathway:** Pre-K: Early Childhood Education

**Credit:** CTE 0.50 Credit and Financial Literacy 0.50 Credit (Students who complete the entire 1 credit course (2 Trimesters) will fulfill the General Financial Literacy graduation requirement.)

Two Trimesters

Grades: 11-12



### CE Adult Roles / Family Relations

#### (WSU CHF 2400)

This college-level course examines the dynamics of a healthy family. Objectives include diverse family systems and theories, intervention strategies to help all types of families be more effective and functional, self-observation and applying skills and behavior changes to personal lives and relationships, including communication skills and relationship patterns, and explaining how various family roles, rules, and processes are unique depending on an individual family system's family of origin, cultural backgrounds, family life cycle stages, and family stressors.

**Credit:** CTE 1 and WSU 3 Credits

One Trimester

Grades: 11-12 (Enrollment priority given to seniors)

**\*Fees:** Book rental, fees, lab, and material costs will apply

### Child Development

If you are interested in a career as a special education teacher, social worker, preschool teacher, elementary teacher or parent, child development will help prepare you for these careers. It is for both male and female students to help improve their skills in understanding, disciplining, loving, and teaching babies, toddlers, preschoolers and school age children.

**Pathway:** Pre-K: Early Childhood Education

**Credit:** CTE

One Trimester

Grades: 9-12

## **Early Childhood Education I**

This course prepares individuals for child-related careers in early childhood education (pre-school and elementary education) and/or more extensive parenting skills. Instruction given includes: applying developmentally appropriate practices (DAP) and developing lessons to teach children, maintaining a healthy environment for children, and developing positive relationship with children. Experiences with preschool and kindergarten children may be a component of this course.

**Prerequisite:** Child Development

**Pathway:** Pre-K: Early Childhood Education

**Credit:** CTE

One Trimester

Grades: 9-12



## **Exploring Teaching**

**(WSU Ed 1010)**

Students will explore the exciting world of teaching, examine what it means to be a teacher, and participate in field observations. This course is designed to introduce students to personal and professional experiences within the educational community. This course or an equivalent approved course is a prerequisite to all licensure programs in the Department of Teacher Education.

**Pathway:** K-12: Teaching as a Profession

**Credit:** CTE 1 **and** WSU 3 Credits

One Trimester

Grades: 9-12



## **Human Development**

**(WSU CHF 1500 SS)**

A survey course which addresses the developmental aspects of individuals across the lifespan. Course content encompasses the study of biological, cognitive, social, and emotional developmental changes of the healthy individual in the context of the family and society. It emphasizes and demonstrates the vital connections between theory, research, and application.

**Pathway:** Pre-K: Early Childhood Education

**Credit:** CTE 1 **and** WSU 3 One WSU Semester

Grades: 11-12 (Enrollment priority given to seniors)

**\*Fees: Book rental, fees, lab, and material cost will apply**

# Engineering and Technology

## **AM Stem (Industrial Robotics and Automation Certification Program)**

Taught in Morgan at 6:30 am through Davis Technical College, this is an industrial electronics, automation and robotics certification program. It is a 900 hour course, which, when completed, gives the student a certification from Davis Tech in automation and robotics. Many of the classes within the program, which includes electronics, motor controls, programmable logic controllers, hydraulics, pneumatics, drone technology, micro electronics, and more, also award college credit at Utah State University and Weber State University upon completion. Students come before school 4 days per week and can come after school 2 to 3 days per week to work on their labs. Most of the course is hands on, and all of it is interesting and exciting! Great for technician career paths, or those considering careers in engineering. There are no prerequisites. Students can start and stop the program throughout the year, if they need some time off because of other obligations.

This course is 1 trimester at a time and can be ongoing if student decides. Credit will be given upon completion.

**Credit:** CTE

*One Trimester*

*Grades: 9-12*

## **CAD Architectural Design I**

The first sequence of courses that prepare individuals for careers in the Architecture, Engineering, and Construction (ACE) Industry. This course includes instruction in 2D and 3D Computer-Aided Design (CAD) software to draw a small residential home with an emphasis on blueprint reading.

**Credit:** CTE

*One Trimester (may repeat for additional programs)*

*Grades: 9-12*

## **CAD Mechanical Design I (Drafting)**

The first in a sequence of courses that prepares individuals to develop technical knowledge and skills required to plan and prepare scale pictorial interpretations and technical documentation of engineering and design concepts. This includes instruction in the use of 2D Computer-aided Design (CAD) software, sketching, drawing layout, geometric construction, orthographic projection, and dimensioning. Use of the 3-D printer is incorporated into the curriculum.

**Pathway:** CAD Mechanical Design, Mechanical Engineering, Carpentry

**Credit:** CTE

*One Trimester*

*Grades: 9-12*

### **CAD Mechanical Design II (Drafting)**

The second in a sequence of courses that prepares individuals with an emphasis in developing technical knowledge and skills to develop 3D models in support mechanical and industrial engineers, and related professionals. This includes instruction in the use of 3D Computer-Aided Design (CAD) software, model creation, and technical communication. Use of the 3-D printer is incorporated into the curriculum.

**Prerequisite:** *CAD Mechanical Design I*

**Pathway:** *CAD Mechanical Design, Mechanical Engineering*

**Credit:** *CTE*

*One Trimester (may repeat for additional programs)*

*Grades: 9-12*

### **CAD Mechanical Design III (Drafting)**

The third in a sequence of courses that prepares individuals with an emphasis in developing technical knowledge and skills to develop working drawings in support of mechanical and industrial engineers, and related professionals. This includes instruction in the use of 3D Computer-Aided Design (CAD) software, threads and fasteners, welding symbols, geometric dimensioning and tolerancing, and assemblies. Use of the 3-D printer is incorporated into the curriculum.

**Prerequisite:** *CAD Mechanical Design II*

**Pathway:** *CAD Mechanical Design*

**Credit:** *CTE*

*One Trimester*

*Grades: 11-12*

### **Material Science A and B**

This class will use the general application of math and science to analyze and study the characteristics and behavior of different types of materials such as composites (light-weight and high-strength products such as materials used in the making of aircrafts), ceramics (glass), and polymers (plastics), and metals. The material taught in this class will be done through labs and discussions. It is a great introductory course for those students who are interested in science, technology, engineering, mathematics, or manufacturing. This will be a hands-on learning environment.

**Pathway:** *Material Science*

**Credit:** *CTE or Science Elective*

*Two Trimesters*

*Grades: 9-12*

## Health Science

### **Certified Nurse Assistant (CNA) A and B**

The Davis Technical College (DTC) offers a program designed for high school students that leads to certification as a Certified Nursing Assistant (CNA). This is a two-trimester course that will prepare students for hands on work in a health care facility. Students will learn medical terminology, basic knowledge and skills that will be performed in the health care setting. Students will perform clinical hours in a long-term care facility. Students must be sixteen years of age or older when school begins, to take this course. This course is highly recommended for those interested in any health care career and will provide a CNA certificate to those who pass the final exam.

**Pathway:** *TS-Nursing*

**Credit:** *CTE and DTC*

*Concurrent enrollment with Davis Technical College*

*Two Trimesters*

*Grades: 11-12 (16 years old)*

**\*Fee:** *DTC Enrollment \$55.00 + cost of books; state test \$75.00 (these fees are subject to change)*



### **Emergency Medical Responder CE**

**(AT 2300)**

This is a college class that will be taught at the high school.

This is a one-trimester course that will certify you in Red Cross CPR, AED, and as a first responder. Students will learn a wide variety of skills in handling emergency situations and will learn how the EMS system works and perform CPR and AED on adult and infant mannequins. Students will also receive instruction on splints, bleeding, bandaging, shock, transporting injured victims, care of burns, cold and heat emergencies, poisoning, drug related emergencies, emergency child birth, and how to use bag valve masks. A variety of career opportunities will also be discussed.

**Pathway:** *Emergency Medical Services*

**Credit:** *CTE 1 and WSU 3*

*One Trimester*

*Grades: 11-12 (no sophomores)*

**\*Fee:** *Red Cross Manual \$20.00, Face Mask \$10.00, Weber State Fee \$15.00. The purchase of a blood pressure cuff is recommended but not required. Additional \$27 certification fee to the American Red Cross.*

## **Exercise Science / Sports Medicine A and B**

*(If seeking college credit, wait until 11<sup>th</sup> grade and take CE course)*

This course is designed to teach students components of exercise science/sports medicine; including exploration of therapeutic careers, medical terminology, anatomy and physiology, first aid, injury prevention principles, the healing process, rehabilitation techniques, therapeutic modalities, sport nutrition, sport psychology, and performance enhancement philosophies.

**Prerequisite:** Medical Anatomy and Physiology is highly recommended but not required

**Pathway:** *Exercise Science / Sports Medicine*

**Credit:** CTE

*Two Trimesters*

*Grades 10-12*



## **Exercise Science / Sports Medicine CE A and B**

**(ESS 2200)**

This is a college class that will be taught at the high school.

This full-year course is designed to teach students components of exercise science/sports medicine; including exploration of therapeutic careers, medical terminology, anatomy and physiology, first aid, injury prevention principles, the healing process, rehabilitation techniques, therapeutic modalities, sport nutrition, sport psychology, and performance enhancement philosophies.

**Prerequisite:** Medical Anatomy and Physiology is highly recommended but not required

**Pathway:** *Exercise Science / Sports Medicine*

**Credit:** CTE 1 and WSU 3

*Two Trimesters*

*Grades: 11-12*

**\*Fee: Weber State \$15**

## **Medical Anatomy and Physiology A and B**

This is a two-trimester course for students who are serious about pursuing a health related career.

This class provides in-depth knowledge about the structure, function, and activities of the human body. It is a prerequisite into Advanced Anatomy and Physiology and courses required for all health care occupations.

**Pathway:** *All Health Science Pathways*

**Credit:** CTE or Science Elective

*Two Trimesters*

*Grades: 10-12*

## **Medical Terminology**

This is a one-trimester course in which students will learn more about the medical language. They will review important terms for each system in the body, medical abbreviations, and the study of certain diseases and disorders. Medical Anatomy and Physiology is highly recommended as a prerequisite but not required.

**Pathway:** *All Health Science Pathways*

**Credit:** *CTE or Science Elective*

*One Trimester*

*Grades: 11-12*



## **Science of Human Nutrition**

**(WSU HLTH 1020 LS)**

Human nutrition is the platform to study the nature and integration of science across disciplines and in society through applied problem solving and data analysis. Nutritional balance and good health are explored in context of the levels of organization, metabolism and homeostasis, genetics and evolution, and ecological interactions.

**Pathway:** *Food Science, Dietetics & Nutrition and Hospitality & Tourism*

**Credit:** *CTE 1 and WSU 3 One WSU Semester*

*Grades: 11-12 (Enrollment priority given to seniors)*

**\*Fee:** *Book rental, fees, lab, and material costs will apply*

## Hospitality and Tourism

### **Food and Nutrition I**

A course that prepares individuals to understand the relationship of food and nutrition to health and well-being. This class focuses on the selection, preparation, and care of food as well as food safety and kitchen safety. This course cannot be repeated.

**Pathway:** *Culinary Arts*

**Credit:** *CTE*

*One Trimester*

*Grades: 9-12*

### **Food and Nutrition II**

This course is designed to focus on principles of food preparation, sports nutrition, consumerism, and career options in the food industry. Students will learn skills and techniques needed to prepare yeast breads, soups and sauces, salads and dressings, and meats as well as meal planning. The study and application of nutrition, sanitation, food sciences and technology in this course provides students with laboratory-based experiences that will strengthen their comprehension of food and nutrition concepts.

**Prerequisite:** Food and Nutrition I

**Pathway:** *Culinary Arts*

**Credit:** *CTE*

*One Trimester*

*Grades: 9-12*

### **Senior Foods**

This class is offered for SENIORS ONLY, and will teach cooking and baking skills that will prepare students to live away from home. The focus will be on preparing simple, quick, nutritious meals that fit within a limited budget. The study and application of nutrition, sanitation, food sciences and technology in this course provides students with laboratory-based experiences that will strengthen their comprehension of food and nutrition concepts.

**Prerequisite:** Foods and Nutrition I

**Pathway:** *Culinary Arts*

**Credit:** *CTE*

*One Trimester*

*Grade: 12*



# Information Technology

## Computer Programming I

An introductory course in computer programming/software engineering and applications. The course introduces students to fundamentals of computer programming. Student will learn to design, code, and test their own programs while applying mathematical concepts. Students will be introduced to coding concepts and problem solving skills (debugging) as they create computer programs with C++, C#, Java, Python, or JavaScript. Additionally, students will be introduced to more complex data structures and their uses, including sequential files, arrays, and classes.

During the course students will create powerful programs that perform a variety of function.

**Prerequisite:** Computer Science Principles **or** Teacher Approval

**Pathway:** *Business Administration Support **or** Business Technology Support **or** Elective for other Business pathways*

**Credit:** CTE

*One Trimester*

*Grades 9-12*

## Computer Programming II

*(If seeking college credit, wait until 10th grade and take CE course)*

This course reviews and builds on the concepts introduced in Computer Programming I. This course introduces students to more complex data structures and their uses, including sequential files, arrays, and classes. Students will learn to create more powerful programs within a specific programming language: Java, Python, C++, C#, Swift.

**Prerequisite:** Computer Programming I

**Pathway:** *Business Administration Support **or** Business Technology Support **or** Elective for other Business pathways*

**Credit:** CTE

*One Trimester*

*Grades: 9-12*



## Computer Programming I CE

**(WSU CS 1030)**

A combination of Computer Programming I & Computer Programming II are taught to fulfill the State Board of Education's requirement for concurrent enrollment credit.

This class is an introductory course in program engineering and applications. The course introduces students to the fundamentals of computer programming. Students will learn to design, code, and test their own programs while applying mathematical concepts. Teachers introduce coding concepts and problem-solving skills to beginning students through a programming language such as C++, C#, Java, Python, or JavaScript. Students will also be introduced to more complex data structure and their uses, including arrays and classes. Students will learn to create more powerful programs.

**Prerequisite:** Exploring Computer Science

**Credit:** *CTE **or** Digital Studies **or** Science Elective*

*One Trimester*

*Grades: 9-12*



## **Computer Programming II CE**

### **(CS 1400 Fundamentals of Programming - JAVA)**

This is a college class that will be taught at the high school.

This course reviews (Strands 1-6) and builds on the concepts introduced in Computer Programming I. Beginning in Strand 4, and then Strands 7-10, this course introduces students to more complex data structures and their uses, including sequential files, arrays, and classes.

Students will learn to create more powerful programs within a specific programming language: Java, Python, C++, C#, Swift.

**Prerequisite:** Business Office Specialist & Computer Science Principles

**Pathway:** *Business Management & Technical Support*

**Credit:** *CTE or Science Elective*

**CTE Level:** *Advanced*

*One Trimester*

*Grades 10-11*

**\*Fee:** *WSU Registration \$30.00 /Tuition \$20*

## **Computer Science Principles**

*(If seeking college credit, wait until 10th grade and take CE course)*

An introductory course in computer programming/software engineering and applications. The course introduces students to the fundamentals of computer programming. Students will learn to design, code, and test their own programs while applying mathematical concepts. Teachers introduce concepts and problem solving skills to beginning students through a programming language such as C++, C#, Java, Python, or JavaScript. The second half of the year reviews and builds on the concepts introduced in the first semester. This semester introduces students to more complex data structures and their uses, including sequential files, arrays, and classes. Students will learn to create more powerful programs.

**Pathway:** *Programming & Software Development*

**Credit:** *CTE or Digital Studies*

*Two Trimesters*

*Grades: 9-12*



**Computer Science Principles CE  
(CS 1030 Foundations of Computing)**

This is a college class that will be taught at the high school.

***This course is the entry level college course and required if a student is seeking a Computer Science Associates Degree at the same time as they graduate from high school.***

This course follows a project to develop a computer science course that seeks to broaden participation in computing and computer science. The course places emphasis on the principles of computer science rather than just programming. Big ideas and concepts include:

1. Computing is a creative activity.
2. Abstraction reduces information and detail to facilitate focus on relevant concepts.
3. Data and information facilitate the creation of knowledge.
4. Algorithms are used to develop and express solutions to computational problems.
5. Programming enables problem solving, human expression, and creation of knowledge.
6. The Internet pervades modern computing.
7. Computing had global impacts.

Note 1: SCP course is currently a 1.0 credit course. There is a need to collect the most relevant concepts and include them into a trimester of the course to match the Digital Studies requirement

**Prerequisite:** Business Office Specialist & English 9 A, B & C **or** Intro to Writing

**Pathway:** *Business Management & Technical Support*

**Credit:** *CTE or Digital Studies*

*One Trimesters*

*Grades: 10-12*

**\*Fee: Course is \$15.00. If not a WSU Concurrent Student- \$30 Application Fee**

**Cybersecurity Ethical Hacking**

This is the course the President's Executive Order has asked that all students and organization take to protect our country from cyberattacks.

There are three levels:

1. Program Entry Level Protection (Passwords, Verification, etc.)
2. Application Level Protection (Understand processes of Financial Programs, Databases, and other applications that store sensitive data – especially Malware Protection)
3. Internet Level Protection (Monitoring Data Streams, Entry Attacks, Data High Jacks, etc.)

This course puts you in the driver's seat of a hands-on environment with a systematics process. Here you will be exposed to an entirely different way of achieving optimal information security posture in their organization, by hacking it! You will scan, test, hack, and secure your own systems. You will be taught the five phases of ethical hacking and the ways to secure and approach your target to succeed! These five phases include Reconnaissance, Gaining Access, Enumeration, Maintaining Access, and Covering Your Tracks. If you want to see the next major job opportunities – this is the class you want to take.

**Prerequisite:** Exploring Computer Science **or** Computer Science Principles

**Pathway:** *Business Management & Technical Support*

**Credit:** *CTE*

**CTE Level:** *Intermediate to Advanced One trimester*

*Grades: 10-12*

## Exploring Computer Science

This is the entry-level Digital Studies course for high School graduation. Students in this course will have the opportunity to improve their typing skills to 40 wpm, gain and understanding of technology, devices, understand procedures for accessing the various devices at the High School (iMacs, PC, Chromebooks, phones, etc.) and learn how to become Computational Thinkers.

This course is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning particular software tools or programming languages, the course is designed to focus the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of Exploring Computer Science is to develop in students the computational thinking practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers and societal and ethical issues.

**Pathway:** *Business Management & Technical Support*

**Credit:** *CTE or Digital Studies*

**CTE Level:** *Introductory*

*One Trimester*

*Grades: 9-12*

## Web Development I

*(If seeking college credit, wait until 11th grade and take CE course)*

Students will learn the fundamentals of how the internet works. They will learn and use the basic building blocks of the World Wide Web: HTML5 coding, Cascading Style Sheets (CSS), and JavaScript. They will follow the steps to create a website by planning, designing, developing, deploying, and maintaining of website projects. Students will learn and use different scripting technologies to create more dynamic and interactive websites. They will learn what it takes for a career in web development as they complete projects and create their own website.

**Prerequisite:** Digital Graphic Arts or Digital Media I

**Pathway:** *Web Development, Entrepreneurship, Office/Administrative/Support, Graphic Design & Communication: Digital Media*

**Credit:** *CTE or Digital Studies*

*One Trimester*

*Grades: 9-12*



## Web Development I CE

Web Development industry certification programs target individuals interested in demonstrating the baseline of technical knowledge that would allow them to pursue a variety of Internet-related careers. iNet+ is accepted by all other Internet certifications.

**Prerequisite:** Digital Graphic Arts or Digital Media I

**Pathway:** *Web Development, Entrepreneurship, Office/Administrative/Support, Graphic Design & Communication: Digital Media*

**Credit:** *1.0 CTE or 0.50 CTE and 0.50 Digital Studies and WSU 3*

*One Trimester*

*Grades: 11-12*

**\*Fee:** *WSU Registration \$30.00 /Tuition \$20*

# Manufacturing

## **Composites**

This course is the first in a sequence that will use technical knowledge and skills to understand the properties of composites and to develop skills helpful in manufacturing parts using composite materials. This first course will discuss basic composite properties, fundamentals of composite manufacturing, testing, and quality control procedures, safe use of equipment and tools, and processes and procedures of composite fabrication or manufacturing.

**Pathway:** *Aerospace Manufacturing*

**Credit:** *CTE*

*One Trimester*

*Grades: 9-12*

## **Furniture Design and Manufacturing A and B**

This course is designed to give students a more in-depth experience with the cabinetmaking industry and hands on application with woodworking. The course objectives are far more accelerated than those in the Woodworking prerequisite. Students will design and build their own projects and are required to pay for their own materials.

**Prerequisite:** Woods 1 & Woods 2

**Pathway:** *Cabinetmaking / Millwork*

**Credit:** *CTE*

*Two Trimesters*

*Grades: 10-12*

**\*Fee:** *Project materials (cost determined by type of project)*

## **Welding Technician A, B and C**

Shop course designed to teach basic welding skills. Students will learn multiple welding processes. Students are expected to pay for materials used for personal projects. Safety glasses and protective clothing are required. Concurrent enrollment credit is available through DTC. Students may repeat this course multiple times and will continue to advance in the program.

**Pathway:** *Welding*

**Credit:** *CTE*

*One Trimester*

*Grades: 9-12 (may repeat to advance)*

**\*Fee:** *\$40.00 per year (paid directly to DTC) (subject to change), the \$40.00 is a once a year fee that will cover all DTC classes for that year.*

### **Woods 1 A & B**

The first in a sequence of courses that prepares individuals to apply technical knowledge and skills to lay-out, shape, assemble, and finish projects. Value is placed on developing craftsmanship, production sense, and design principles. This course emphasizes the safe use of a variety of hand tools, power tools, and machinery.

**Pathway:** *Cabinetmaking / Millwork*

**Credit:** *CTE*

*Two Trimesters*

*Grades: 9-12*

**\*Fee:** *Project materials (cost determined by type of project)*

### **Woods 2 A & B**

The first in a sequence of courses that prepares individuals to apply technical knowledge and skills to lay-out, shape, assemble, and finish projects. Value is placed on developing craftsmanship, production sense, and design principles. This course emphasizes the development of production principles in a manufacturing environment.

**Pathway:** *Cabinetmaking / Millwork*

**Credit:** *CTE*

*Two Trimesters*

*Grades: 9-12*

**\*Fee:** *Project materials (cost determined by type of project)*

### **Woods 3 A & B**

The third instructional course in a sequence of courses that prepares individuals to apply technical knowledge and skills, set up and operate industrial woodworking machinery, and use such machinery to design and fabricate custom cabinets and architectural millwork. It stresses the safe use of trade hand and power tools and machinery used in the production of millwork items. Cabinets, such as kitchen and vanities, are constructed, finished, and installed as part of this program.

**Prerequisite:** Furniture Design and Manufacturing

**Pathway:** *Cabinetmaking / Millwork*

**Credit:** *CTE*

*One Trimester*

*Grades: 10-12*

**\*Fee:** *Project materials (cost determined by type of project)*

## Other

### **DTC (Davis Technical College, formerly DATC)**

The DTC offers seniors and third trimester juniors with training opportunities in a variety of vocational fields ranging from auto mechanics to nursing. Morgan School District will provide transportation for morning classes. See the school counselor for information. Students should be on course for graduation. Students interested in the cosmetology program cannot enroll until the summer prior to their senior year.

***Pathway: see Mrs. Field***

***Credit: CTE***

***Grades: 11-12***

***1-3 Trimesters***

***\*Counselor permission required***

***\*While students are in High School the tuition is \$40.00 once a year that will cover all DTC classes for that year.***

***\*Fee: Book rental, fees, lab, and material costs will apply.***

### **Internship**

***All students must complete an application and be approved to join this class. Applications will be turned into Mr. Robert Kilmer***

This work-based learning course prepares students to be successful employees in the work force while exploring future careers. Internships can either be a paid or an unpaid experience. **Students will be placed in an internship in a field they are considering as a future career or may use a job that meets the requirements of the course.** The first and last weeks of the trimester must be spent in the classroom covering critical work place skills. Students must have a minimum 2.0 GPA and not have any F's or U's, from the previous trimester. The student's work experience should be related to their CCR Plan.

***Pathway: Elective for all Career & Technical Education pathways***

***Credit: CTE***

***1-3 trimesters***

***Grades: 11-12***

## **Digital Studies.....**

### **Business Office Specialist**

*(If seeking college credit, wait until 10th grade and take CE course)*

Students who desire to learn Microsoft Office Products (Word, PowerPoint, Excel, & Access) and to use them in an education and business setting will truly enjoy this class.

This course applies advanced concepts and principles using word processing, spreadsheets, databases, and electronic presentation software. Students may have the opportunity to obtain a Microsoft Office Specialist industry certificate through Microsoft and Certiport per district discretion. The certification is recognized worldwide as the best method for employers to validate computer skill proficiency. Students will integrate applications learned. This course builds on skills included in Digital Literacy. Keyboarding 35 words per minute is recommended.

**Pathway:** Business Management & Technical Support

**Credit:** CTE or Digital Studies

*CTE Level: Introductory*

*One Trimester*

*Grades: 10-12*



### **Business Office Specialist CE**

**(WEB 1700)**

This is a college class that will be taught at the high school.

Similar to the high school class this course teaches Microsoft Office Products (Word, PowerPoint, Excel, & Access) at a level high enough to be certified. Students can qualify for a Microsoft Office Specialist Certification. This course applies advanced concepts and principles using word processing, spreadsheets, databases, and electronic presentation software. Students may have the opportunity to obtain a Microsoft Office Specialist industry certificate through Microsoft and Certiport per district discretion. The certification is recognized worldwide as the best method for employers to validate computer skill proficiency. Student will integrate applications learned. This course builds on skills included in Digital Literacy.

**Prerequisite:** English 9 A, B & C

**Pathway:** Business Management & Technical Support

**Credit:** CTE or Digital Studies

**CTE Level:** Introductory to Intermediate

*One Trimester*

*Grades: 10-12*

**\*Fee: WSU Application Fee if not a CE or Early College Student \$30.00 / Tuition: \$15**

**\*Fee: Currently Morgan High School receives a grant to provide the 85.00 Exam at no charge**



## **Computer Programming I**

*(If seeking college credit, wait until 10th grade and take CE course)*

An introductory course in computer programming/software engineering and applications. The course introduces students to fundamentals of computer programming. Student will learn to design, code, and test their own programs while applying mathematical concepts. Students will be introduced to coding concepts and problem solving skills (debugging) as they create computer programs with C++, C#, Java, Python, or JavaScript. Additionally, students will be introduced to more complex data structures and their uses, including sequential files, arrays, and classes.

During the course students will create powerful programs that perform a variety of function.

**Prerequisite:** Computer Science Principles or Teacher Approval

**Pathway:** *Business Administration Support or Business Technology Support or Elective for other Business pathways*

**Credit:** *CTE or Digital Studies*

*One Trimester*

*Grades: 9-12*

## **Computer Programming II**

*(If seeking college credit, wait until 10th grade and take CE course)*

This course reviews and builds on the concepts introduced in Computer Programming I. This course introduces students to more complex data structures and their uses, including sequential files, arrays, and classes. Students will learn to create more powerful programs within a specific programming language: Java, Python, C++, C#, Swift.

**Prerequisite:** Computer Programming I

**Pathway:** *Business Administration Support or Business Technology Support or Elective for other Business pathways*

**Credit:** *CTE*

*One Trimester*

*Grades: 9-12*



## Computer Programming I CE

### (CS 1400 Fundamentals of Programming - JAVA)

This is a college class that will be taught at the high school.

An introductory course in computer programming/software engineering and applications. The course introduces students to fundamentals of computer programming. Student will learn to design, code, and test their own programs while applying mathematical concepts. Students will be introduced to coding concepts and problem solving skills (debugging) as they create computer programs with C++, C#, Java, Python, or JavaScript. Additionally, students will be introduced to more complex data structures and their uses, including sequential files, arrays, and classes.

During the course students will create powerful programs that perform a variety of function.

**Prerequisite:** Computer Science Principles **or** Teacher Approval

**Pathway:** *Business Administration Support or Business Technology Support or Elective for other Business pathways*

**Credit:** *Science Core or CTE 0.50 and Digital Studies 0.50 and WSU 4*

*One Trimester*

*Grades: 10-12*

**\*Fee:** *WSU Registration \$30.00 /Tuition \$20*



## Computer Programming II CE

### (CS 1400 Fundamentals of Programming - JAVA)

This is a college class that will be taught at the high school.

This course reviews (Strands 1-6) and builds on the concepts introduced in Computer Programming I. Beginning in Strand 4, and then Strands 7-10, this course introduces students to more complex data structures and their uses, including sequential files, arrays, and classes. Students will learn to create more powerful programs within a specific programming language: Java, Python, C++, C#, Swift.

**Prerequisite:** Business Office Specialist **&** English 9 A, B & C **or** Intro to Writing 1010

**Pathway:** *Business management & Technical Support*

**Credit:** *CTE 1 or Science Elective*

**CTE Level:** *Advanced*

*One Trimester*

*Grades: 10-11*

**\*Fee:** *WSU Registration \$30.00 /Tuition \$20*

## Computer Science Principles

*(If seeking college credit, wait until 10th grade and take CE course)*

An introductory course in computer programming/software engineering and applications. The course introduces students to the fundamentals of computer programming. Students will learn to design, code, and test their own programs while applying mathematical concepts. Teachers introduce concepts and problem solving skills to beginning students through a programming language such as C++, C#, Java, Python, or JavaScript. The second half of the year reviews and builds on the concepts introduced in the first semester. This semester introduces students to more complex data structures and their uses, including sequential files, arrays, and classes. Students will learn to create more powerful programs.

**Pathway:** *Programming & Software Development*

**Credit:** *CTE or Digital Studies*

*Two Trimesters*

*Grades: 9-12*



## Computer Science Principles CE

**(CS 1030 Foundations of Computing)**

This is a college class that will be taught at the high school.

***This course is the entry level college course and required if a student is seeking a Computer Science Associates Degree at the same time as they graduate from high school.***

This course follows a project to develop a computer science course that seeks to broaden participation in computing and computer science. The course places emphasis on the principles of computer science rather than just programming. Big ideas and concepts include:

1. Computing is a creative activity.
2. Abstraction reduces information and detail to facilitate focus on relevant concepts.
3. Data and information facilitate the creation of knowledge.
4. Algorithms are used to develop and express solutions to computational problems.
5. Programming enables problem solving, human expression, and creation of knowledge.
6. The Internet pervades modern computing.
7. Computing had global impacts.

Note 1: SCP course is currently a 1.0 credit course. There is a need to collect the most relevant concepts and include them into a trimester of the course to match the Digital Studies requirement

**Prerequisite:** Business Office Specialist & English 9 A, B & C or Intro to Writing

**Pathway:** *Business Management & Technical Support*

**Credit:** *CTE or Science Elective*

*One Trimester*

*Grades: 10-12*

**\*Fee: Course is \$15.00. If not a WSU Concurrent Student- \$30 Application Fee**

## **Exploring Computer Science**

This is the entry-level Digital Studies course for high School graduation. Students in this course will have the opportunity to improve their typing skills to 40 wpm, gain and understanding of technology, devices, understand procedures for accessing the various devices at the High School (iMacs, PC, Chromebooks, phones, etc.) and learn how to become Computational Thinkers.

This course is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning particular software tools or programming languages, the course is designed to focus the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of Exploring Computer Science is to develop in students the computational thinking practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers and societal and ethical issues.

**Pathway:** *Business Management & Technical Support*

**Credit:** *CTE or Digital Studies*

**CTE Level:** *Introductory*

*One Trimester*

*Grades: 9-12*

## **Web Development I**

*(If seeking college credit, wait until 11th grade and take CE course)*

Students will learn the fundamentals of how the internet works. They will learn and use the basic building blocks of the World Wide Web: HTML5 coding, Cascading Style Sheets (CSS), and JavaScript. They will follow the steps to create a website by planning, designing, developing, deploying, and maintaining of website projects. Students will learn and use different scripting technologies to create more dynamic and interactive websites. They will learn what it takes for a career in web development as they complete projects and create their own website.

**Prerequisite:** Digital Graphic Arts or Digital Media I

**Pathway:** *Web Development, Entrepreneurship, Office/Administrative/Support, Graphic Design & Communication: Digital Media*

**Credit:** *CTE or Digital Studies*

*One Trimester*

*Grades: 9-12*



## **Web Development I CE**

Web Development industry certification programs target individuals interested in demonstrating the baseline of technical knowledge that would allow them to pursue a variety of Internet-related careers. iNet+ is accepted by all other Internet certifications.

**Prerequisite:** Digital Graphic Arts **or** Digital Media I

**Pathway:** *Web Development, Entrepreneurship, Office/Administrative/Support, Graphic Design & Communication: Digital Media*

**Credit:** *CTE 1 or CTE 0.50 and Digital Studies 0.50 and WSU 3*

*One Trimester*

*Grades: 11-12*

**\*Fee:** *WSU Registration \$30.00 /Tuition \$20*

## **Fine Arts.....**

### **Band**

#### **Band II / Jazz Band A, B and C**

This group focuses on jazz literature. Rehearsal will be held daily in preparation for concerts and other performances. Participation in Pep Band and Symphonic Band is expected.

**Prerequisite:** Audition

**Credit:** *Fine Arts*

**Grades:** 9-12

**\*Fee:** *Instrument rental (if using a school instrument) \$60*

#### **Band III / Symphonic Band A, B and C**

This group focuses on concert band literature. Rehearsal will be held daily in preparation for concerts and other performances. Participation in Pep Band is expected.

**Prerequisite:** Audition

**Credit:** *Fine Arts*

**Grades:** 9-12

**\*Fee:** *Instrument rental (if using a school instrument) \$60*

#### **Band III / Percussion Ensemble A, B and C**

This group is intended for more advanced percussionists. Daily rehearsal will include music for the percussion ensemble, full band, and drumline.

**Prerequisite:** Audition

**Credit:** *Fine Arts*

**Grades:** 9-12

# Chorus

## **Concert Choir A, B & C**

Is a non-auditioned Choir for men and women with limited or no prior singing experience. We will study and perform many different types of music while developing each student's musical understanding and personal singing voice. Students will work together to achieve a sense of belonging and group unity through fun daily activities and singing great music.

Students are encouraged to take 2 or 3 Trimesters; 1, 2 or 3 Trimesters are allowed

**Credit:** *Fine Arts*

**Grades:** *9-12*

**\*Fee:** *\$15 Choir T-Shirt*

## **Chorus II / Millennial Women's Chorus A, B & C**

Millennial Women's Chorus is an advanced women's chorus. We focus on individual and group performance through school concerts, Solo and Ensemble festival, various holiday performances, and the region Large Choir festival. Students will work together to achieve a sense of belonging and group unity through fun daily activities. Through the performance of music from various genres and styles we will deepen our understanding of music, and strengthen students' ability and confidence in singing. Course work includes sight-singing, vocal development, music theory, and music history.

**Prerequisite:** Audition Required

**Credit:** *Fine Arts*

**Three Trimesters Required**

**Grades:** *9-12*

**\*Fee:** *Performance attire approximately \$80.00; Choir Tour Cost (optional)*

## **Chorus III / 'Ovation!' Chamber Choir A, B and C**

'Ovation!' is an advanced chamber ensemble for men and women designed for performance at a variety of events. Through the performance of music from various styles, genres, forms, and time periods, we will deepen our understanding of music, and strengthen students' ability and confidence in singing. 'Ovation!' will perform several times throughout the year in school concerts, various holiday concerts, Solo and Ensemble festival, and many other smaller performances.

Course work includes sight-singing, vocal development, music theory, and music history.

**Prerequisite:** Audition required; previous choral experience strongly encouraged

**Credit:** *Fine Arts*

**Three Trimesters Required**

**Grades:** *9-12*

**\*Fee:** *Performance attire approximately \$100.00;*

**Choir Tour Costs (Optional)**

# Theatre Arts

## Acting A

Students will expand their knowledge of acting methods learned during Theatre Foundations. Students will explore both stage and film acting through the use of scenes, monologues, plays, films, etc. It is expected that students enrolled in Acting A will participate in Productions A and B.

**Prerequisite:** Theatre Foundations or Audition

**Credit:** Fine Arts

*This class is only offered 1st Trimester*

*Grades: 10-12*

## Play Productions Adv Theatre

This is an advanced class that studies artistic, technical, managerial and performance elements used in dramatic productions. Students will work on individual portfolios and auditions through scenes, monologues, plays, creative writing, and master classes. Students will visit other schools/organizations and/or work with guest speakers/artists to expand their individual knowledge. Students will be required to perform in and/or provide technical support the current production.

**Prerequisite:** Audition

**Credit:** Fine Arts

*One to Two Trimesters*

*Grades: 9-12*

**\*Fee: Performance attire approximately \$40.00**

## Stage Craft / Theatre Tech A, B and C

Students will be actively engaged in learning scenic, lighting and sound design, costumes, makeup, and stage management. Students will use their newly acquired skills to assist the current production. Cell Students will actively lead, supervise, and work in the process of theatre design, building, managing, programming, drafting, and implementing the technical aspect of theatrical events. Students will investigate technical theatre careers and then begin the development for potential employment or further education. Students will attend and critique theatrical productions and volunteer to support the theatre in the community. Classes such as Drawing, Welding, Shop, CAD, etc. are recommended to be taken prior to this class.

**Credit:** Fine Arts

*One to Three Trimesters*

*Grades: 9-12*

## Theatre Foundations

This class is an introduction to the theatre arts. The class focuses on teaching student's basics in public speaking, standing up in front of an audience and performance. Students learn basic skills in voice, movements, acting methods, theatre history, pantomime, puppetry, script writing, advertisement, and commercial theatre through aspects of culturally minded theatre.

**Credit:** Fine Arts

*One to Three Trimester*

*Grades: 9-12*



## Visual Arts

### **Advanced Commercial Photography**

Students will experience an in-depth study of technical aspects of photography including lenses, camera, basic composition, displaying photos, studio lighting and motion pictures. Included is a study of the principles and elements of art and artistic design as they apply to photography.

**Prerequisite:** Basic Digital Photography

**Pathway:** *Graphic Design & Communication: Commercial Photography and Broadcasting: Audio/Visual Production Professional*

**Credit:** *Fine Arts or CTE*

*One Trimester*

*Grades: 11-12*

### **AP Art Studio Drawing A, B and C**

AP Art Studio is an upper division art course that focuses on helping students create a portfolio to submit to the AP art test, however, it is not required for students to submit an AP portfolio. Students are also able to use this course as a time to make meaningful artwork for their own personal development and improvement.

**Prerequisite:** *Drawing I, Painting I, and Drawing II or Painting II*

**Credit:** *Fine Arts*

*One to Three Trimesters, determined by student*

*Grades: 11-12*

**\*Teacher approval must be given before registering for this class.**

### **Art Foundations**

This is an introductory high school art course. It covers art appreciation and basic art skills. Art Foundations will introduce students to the various media offered in other classes.

**Credit:** *Fine Arts*

*One Trimester*

*Grades: 9-12*

### **Basic Digital Photography**

Introduction to getting started in commercial digital photography. This course will cover basic concepts for purchasing a digital camera, image capture, image editing, and image output. This will enable the digital camera user to purchase and more comfortably use the camera that will best suit their present and future needs.

**Pathway:** *Graphic Design & Communication: Commercial Photography, Commercial Art and Broadcasting: Audio/Visual Production Professional*

**Credit:** *Fine Arts or CTE*

*One Trimester*

*Grades: 9-12*

## **Calligraphy and Sign Making**

Students will receive instruction in calligraphy, hand lettering, illustration, and how to incorporate these techniques into marketable art skills.

**Credit:** *Fine Arts*

*One Trimester*

*Grades: 9-12*

## **Ceramics I**

Students will master basic pottery skills using hand building techniques such as coil, slab, and pinch. Wheel throwing skills will also be developed. The course will also include history of ceramics and some sculpture.

**Credit:** *Fine Arts*

*One Trimester*

*Grades: 9-12*

## **Ceramics II**

This is an intermediate class that will further develop hand building techniques including coil, soft slab, and hand slab. Students will also develop more in-depth wheel throwing skills. Development of the vessel and history of ceramics will be addressed.

**Prerequisite:** Ceramics I

**Credit:** *Fine Arts*

*One Trimester*

*Grades: 10-12*

## **Ceramics III**

This is an advanced course utilizing skills taught in Ceramics I and II. The class will have a studio format allowing students to focus on projects and techniques of their choosing.

**Prerequisite:** Ceramics I and Ceramics II

**Credit:** *Fine Arts*

*One Trimester*

*Grades: 10-12*

## **Ceramic Tile Making**

This is a class in the Ceramic arts that deals specifically with Tile production. Tile painting (as done in Ceramics I and II) will be done with more of an emphasis on design. Handmade tiles will also be addressed with considerations on low-relief and mosaic applications.

**Prerequisite:** Ceramics I

**Credit:** *Fine Arts*

*One Trimester*

*Grades: 10-12*

## **Commercial & Advertising Art**

This is a course in the applied visual arts that prepares individuals to use artistic techniques to effectively communicate ideas and information to business and consumer audiences via illustrations and other forms of digital or printed media. Instructions include training in concept design, layout, and techniques such as screen printing, drawing, cartooning, painting, collage and computer graphics.

**Pathway:** *Graphic Design & Communication: Commercial Art*

**Credit:** *CTE or Fine Arts*

*One Trimester*

*Grades: 10-12*

## **Digital Graphic Arts Introduction**

This course is designed to provide students with the basic knowledge and skills related to the graphic design industry. It is intended to serve as a starting point for several pathways including Digital Media, Graphics and Printing, 3D Animation and Game Development. This includes instruction and hands-on assignments in the following areas: creative design and layout, typography, color, related software, and computer and professional skills.

**Pathway:** *Graphic Design & Communication: Commercial Photography, Digital Media, Graphics Printing*

**Credit:** *Fine Arts or CTE*

*One Trimester*

*Grades: 9-12*

## **Digital Media I**

Digital Media is the process of analyzing, designing and developing interactive media. Digital Media I is the first-year digital media course where students will create and learn digital media applications while using elements of text, graphics, animation, sound, video, and digital imaging for various formats. These abilities will prepare students for entry-level multimedia positions and provide fundamental 21st Century Learning skills beneficial for other occupational/educational endeavors. Additional Suggested Prerequisite: Art / Drawing

**Pathway:** *Graphic Design & Communication: Commercial Photography, Digital Media, Graphics Printing, Commercial Art, and Broadcasting: Audio/Visual Production Professional, Broadcasting Professional*

**Credit:** *Fine Arts or CTE*

*One Trimester*

*Grades: 9-12*

## **Digital Media II**

Digital Media II is a course designed to teach the process of planning, instructional design, development, and publishing of digital media and interactive media projects. Digital Media II is the second year course within digital media pathway where students will focus on developing advanced skills to plan, design, and create interactive projects using the elements of text, 2-D and 3-D graphics, animation, sound, video, digital imaging, interactive projects, etc. These skills can prepare students for entry-level positions and other occupational/educational goals.

**Prerequisite:** Digital Media I

**Pathway:** *Graphic Design & Communication: Digital Media*

**Credit:** *Fine Arts or CTE*

*One Trimester*

*Grades: 10-12*

## **Digital Media II / Yearbook I, II, and III**

Students desiring to be on the yearbook staff need to pick up an application from Mr. Fuller. Selection is made from the completed applications. Top students will be chosen from the applications received. Students will produce the high school yearbook using online software from Jostens.

**Prerequisite:** Digital Graphic Arts Introduction / Digital Media I / Digital Photography

**Pathway:** *Graphic Design & Communication: Digital Media*

**Credit:** *Fine Arts or CTE*

*Three Trimesters*

*Grades: 10-12*

*\*Teacher permission required*

*\*Must be able to take at LEAST 2 trimester*

## **Drawing I**

Drawing is a technique based, first level drawing course. Students will primarily work with graphite. Focus will be given to the elements of art and how to deconstruct and simplify an image in order to improve drawing skills.

**Credit:** *Fine Arts*

*One Trimester*

*Grades: 9-12*

## **Drawing II**

Students will apply the basic skills they learned in Drawing I to enhance their art making abilities. Focus will be on using the principles of art and composition to create meaningful pieces of art. Drawing media will extend beyond graphite.

**Prerequisite:** Drawing I

**Credit:** *Fine Arts*

*One Trimester*

*Grades: 10-12*

## **Floriculture**

This is a fun class where students develop skills used in floral design and the floral industry. Students will learn to create floral arrangements and grow and identify plants. Skills learned in this class prepare students for careers in the floral and horticulture industry or can be for personal use. FFA activities will also be discussed.

**Pathway:** *Plant Science*

**Credit:** *Fine Arts or CTE*

*One Trimester*

*Grades: 10-12*

## **Graphic Communications – Intermediate (Printing)**

This course is designed to be a continuation of Digital Graphic Arts Introduction. The course prepares individuals to apply technical knowledge in the areas of design and layout, related computer and software, safety, printing processes, finishing and binding, and professional skills. The course includes instruction in printing, printing equipment and operation, computer hardware and software, digital imaging, print preparation, and electronic prepress.

**Prerequisite:** Digital Graphic Arts Intro **or** Commercial & Advertising Art **or** Digital Media I

**Pathway:** *Graphic Design & Communication: Graphics Printing*

**Credit:** *Fine Arts or CTE*

*One Trimester*

*Grades: 10-12*

## **Screen Printing Technology (T-Shirt Design/Printing)**

This course is designed to provide students with the knowledge to create, produce and reproduce visual graphics that communicate to an audience. Develop the knowledge and skills relative to the graphic design and screen-printing industries. Includes instructions and hands-on experiences in design and layout, digital prep of designs, and multiple color printing processes on various substrates. Provides an overview of the screen-printing and print making industries on the commercial level. Instructions include the use of industry standard graphics software with the Adobe Creative Suite.

**Prerequisite:** Digital Graphic Arts Intro **or** Commercial & Advertising Art **or** Digital Media I

**Pathway:** *Graphic Design & Communication: Graphics Printing*

**Credit:** *CTE or Fine Arts*

*One Trimester*

*Grades: 10-12*

## **Painting I**

Painting I will introduce students to watercolor painting. Focus will be on mastering watercolor technique extended from drawing skills.

**Prerequisite:** Drawing I

**Credit:** *Fine Arts*

*One Trimester*

*Grades: 9-12*

## **Painting II**

Focus will be on skills acquired in drawing I and painting I to further their knowledge of painting. Students will work towards learning and mastering acrylic painting. Students will also use and apply the principles of art and composition to create meaningful pieces of art.

**Prerequisite:** Drawing I and Painting I

**Credit:** *Fine Arts*

*One Trimester*

*Grades: 10-12*

## **Printmaking**

This course provides an introduction to printmaking. The course will include engraving, relief printing, monoprinting and collagraphs.

**Prerequisite:** Drawing I

**Credit:** *Fine Arts*

*One Trimester*

*Grades: 10-12*

## **Sculpture I**

This class includes an in-depth study of art elements and principles of art using three-dimensional areas and a variety of media. Students will use materials such as clay, plaster, and found objects.

**Prerequisite:** Ceramics I

**Credit:** *Fine Arts*

*One Trimester*

*Grades: 10-12*

## **General Education.....**

### **Financial Literacy**

Survival in our world of everyday finance is what this class is all about. We will be learning basic, essential skills in personal financial management including payroll and related taxes, checking and saving accounts, wise use of credit, insurance issues, car and home purchases, budgeting, consumer protection, etc. This is the class for students who want to be able to understand the world of everyday finance. (Students may also receive this credit by taking and passing all 3 trimesters of Adult Roles.)

***Credit: Financial Literacy***

*One Trimester*

*Grades: 11-12*

# **Health, Movement & Fitness.....**

## **Health Education**

### **Health Education**

This course will assist students in the continual development of skills needed to improve the quality of life. Emphasis will be on the physical, social, and mental dimensions of people so that students can become better-informed consumers of health information. This class offers students an opportunity to evaluate health practices.

**Credit:** *Health, Movement & Fitness*

*One Trimester*

*Grade: 9-10*

**\*Required class (Enrollment priority given to sophomores)**

## **Movement/Fitness Education**

### **Beginning Weight Training**

For students to develop body muscle groups to assist performance in athletics and day-to-day life. Learn proper techniques, procedures, and safety rules with emphasis on power lifting, strength training, and plyometrics.

**Credit:** *Health, Movement & Fitness*

*One Trimester*

*Grades: 9-12*

### **Competitive Strength Building**

Competitive Strength Building is an advanced weight training class. It is an extremely high-intensity course designed to meet the needs of highly motivated student-athletes, both female and male. Students lift weights five days per week mixed with some days of running technique and other force productions.

This course reinforces the proper guidelines, principles and techniques of weight lifting, and the development of muscular strength, endurance, and power at an advanced level; Introduces Olympic lifting techniques, and continues upon proper lifting form; and Continues development of individual sport training. Students should expect to work extremely hard and see significant increases in strength and power.

**Prerequisites:** Must be a student-athlete

**Credit:** *PE Elective or Elective*

*One Trimester*

*Grades: 9-12*



### **Drill Team and Cheerleading A and B**

Enrollment is based on results of tryouts in the spring. Do not register for this class unless you have been selected for either squad.

**Credit:** *Health, Movement & Fitness 0.50 / Elective 0.50*

*Two Trimesters (Fall & Winter)*

*Grades: 9-12*

**\*Tryouts required**

### **Fitness for Life**

This course will help students adopt a personal lifestyle that will achieve physical fitness. Specifically, students will identify and understand all of the components of fitness such as strength, flexibility, endurance, weight control, and stress management.

**Credit:** *Health, Movement & Fitness*

*One Trimester*

*Grade: 10*

**\*Required class**

### **Lifetime Activities**

Students will develop skills in a variety of lifetime activities such as bowling, badminton, jogging, and recreational games.

**Credit:** *Health, Movement & Fitness*

*One Trimester*

*Grades: 11-12*

### **Participation Skills and Techniques**

This course will develop participation skills and techniques in a variety of individual sports, games and activities with emphasis on leadership, courtesy, respect, and sportsmanship. This course also provides instruction aimed at improving and maintaining physical fitness and continuing team sports participation.

**Credit:** *Health, Movement & Fitness*

*One Trimester*

*Grade: 9*

**\*Required class**

### **Physical Conditioning, Yoga and Dance for Girls**

For Girls to develop body muscle groups to assist performance in athletics and day-to-day life. Learn proper techniques, procedures, and safety rules with emphasis on CrossFit, yoga, and plyometrics.

**Credit:** *Health, Movement & Fitness*

*One Trimester*

*Grades: 9-12*

## **Racquet Sports**

This course will introduce students to the basic skills and knowledge associated with playing a variety of racquet sports such as tennis, badminton, pickle ball, etc. The ultimate goal of this class is to provide the students with the knowledge and skills necessary for them to pursue playing racquet sports as a life-long activity. This course will provide students with opportunities to develop a satisfactory individual level of physical fitness, acquire knowledge of fitness concepts and demonstrate an understanding of how a wellness lifestyle affects one's health, fitness and physical performance. This course will provide an environment for all students to practice positive personal and social skills.

***Credit: Health, Movement & Fitness***

*One Trimester*

*Grades: 10-12*

## **Recreational Basketball**

This class is for students who want to get more game and competition experience. 1v1, 2v2, 3v3, & 5v5 are all elements of this course. Every student will touch the ball working on Shooting, Dribbling, drives to the basket, game situation passing, on ball defense, & team defense.

***Credit: Health, Movement & Fitness***

*One Trimester*

*Grades: 10-12*

## **Team Sports Conditioning**

### **Football – Volleyball – Basketball – Wrestling**

Students will participate in conditioning and training to develop skills in athletic activities including strategies, techniques, rules, and terminology.

***Credit: Health, Movement & Fitness***

*One Trimester*

*Grades: 10-12*

***\*Coach permission required***

## **Weight Training**

For Boys to develop body muscle groups to assist performance in athletics and day-to-day life. Learn proper techniques, procedures, and safety rules with emphasis on power lifting, strength training, and plyometrics.

***Credit: Health, Movement & Fitness***

*One Trimester*

*Grades: 10-12*

## **Weight Training for Conditioning, Toning and Body Shaping**

For girls who are interested in learning proper techniques, procedures and safety rules with emphasis on low weight, high reps, and aerobic training. Maximum lifts not to exceed 130 lbs.

***Credit: Health, Movement & Fitness***

*One Trimester*

*Grades: 10-12*

## **World Languages.....**

### **American Sign Language I A and B**

This course introduces students to ASL. Emphasis is on comprehension and production skills as well as preparatory finger spelling and ASL numbers, vocabulary, syntax, simple hand shape classifiers, and basic grammatical features. Wh-word questions in ASL structure will be introduced to help students begin an ASL conversation. Functional grammatical and basic expressive and receptive conversational skills will be emphasized through participation in the classroom and the community. Use of non-manual components of ASL grammar such as facial expression and body posture will be emphasized. This course also includes basic spatial comprehension in grasping and describing two-dimension (2-D) patterns, figures, and shapes. Students will gain practical skills for using ASL in appropriate contextual settings for everyday communication. Students will develop introductory cultural awareness necessary for appropriate interaction with the Deaf Community.

**Credit:** World Language

*Two Trimesters*

*Grades: 9-12*

### **American Sign Language II A and B**

This course is a continuation of ASL I, which provides students with additional opportunities to produce and comprehend ASL as used in everyday conversational settings including receptive and productive mastery using multiple grammatical features and conventional ASL discourse styles (such as narrative and explanatory). Students will utilize appropriate vocabulary, grammar, syntax, and cultural knowledge in their ASL conversations. Students will continue the use of common ASL sentences such as topic comment, rhetorical, conditional, declarative, and conjunctions. Students will learn and use complex classifiers (use of hand shapes) to describe concrete and abstract items such as physical characteristics, clothing, buildings, vehicles, animals, objects, etc. This course will train students on using ASL numbering systems in various contexts.

**Prerequisite:** American Sign Language I A and B

**Credit:** World Language

*Two Trimesters*

*Grades: 10-12*

### **Spanish I A and B**

Students will be introduced to the Spanish vocabulary and grammar structures. Topics include personal descriptions, the family, numbers, telling time, dates, greetings, food, and places. Emphasis is placed on conversing in the present tense and includes an introduction to Latino culture. Spanish I B requires successful completion of Spanish I A.

**Credit:** World Language

*Two Trimesters*

*Grades: 9-12*

**Spanish II A and B**

Continuation of concepts taught in Spanish I. Emphasis is on additional grammatical structures and introduction to conversation in the past and future. Students will further develop conversation, reading, and writing skills in Spanish with a continued exploration of Latino culture.

**Prerequisite:** Spanish I A and B

**Credit:** *World Language*

*Two Trimesters*

*Grades: 10-12*

**Spanish III A and B**

Emphasis is on increasing speaking, reading, and writing ability in Spanish. Students will use literature and media to increase their comprehension of the language, while continuing the study of Spanish grammar. Increased importance will be placed on student production of speaking and writing projects.

**Prerequisite:** Spanish II A and B

**Credit:** *World Language*

*Two Trimesters*

*Grades: 11-12*

## **Electives.....**

### **Life Skills**

For students who qualify for the Special Education program. This course focuses on independent living skills including reading, math, self-care, job training and individual needs. Students can enroll by permission only.

**Credit:** Elective

Grades: 9-12

**\*Permission required from Special Ed Department**

### **Peer Tutor**

Students will develop skills in working with students with disabilities. They will act as a tutor, job coach, and role model. This class is designed for 10-12 grade students who are trustworthy, reliable, and prompt. Students must have a 2.8 GPA with no F's or U's from the previous trimester. Students who fall below school attendance policy guidelines will be removed from the program. Any student who receives an F or U as a peer tutor will not be eligible for the program again.

**Credit:** Elective

One Trimester

Grades: 10-12 (Limit of 5 students per period)

**\*Permission required from Special Ed Department**

### **Release Time**

Students may be released from school property for one period per day each trimester. Students and parents will be required to sign release forms. Any student that is found on school property during this period will not be granted release time and will be required to enroll in a course at Morgan High School. Options for Release Time are:

Morgan Grace Fellowship, telephone: 801-829-4058

Morgan LDS Seminary, telephone: 801-829-6042 <http://seminary.lds.org/myseminary>

**No Credit**

Grades: 9-12

### **Teacher's Aide**

Students are expected to work with assigned teacher daily. Students must have a 2.8 GPA with no F's or U's from the previous trimester. Students not attending regularly or who are found out of class without permission will be removed from the program and given an unsatisfactory (U) citizenship grade. Any student who receives an F, a U, or truancy (sluff) as a teacher's aide will not be eligible for this class again.

**Credit:** Elective

One Trimester

Grades: 11-12

**\*Counselor permission required**

**Transitions**

For students receiving services through IDEA or 504 law. This course focuses on building study habits, social skills, and preparing for post-secondary life. Students can enroll by permission only.

***Credit: Elective***

***Grades: 9-12***

***\*Permission required from Special Ed. Department***

## **IVC (Interactive Video Conferencing).....**

***Offered through, Weber State University***

***\*The following courses may or may not be offered by Weber State University for the upcoming year. Please have an alternate choice in mind in the event Weber State chooses not to offer a course you have selected.***

***WSU's concurrent enrollment policy requires that students have a 3.0 GPA to qualify for enrollment in any IVC class.***

***Completion of each course will earn the student 3 college credits, and 1 high school credit, unless otherwise noted.***

***\*English 1010 requires that the student be a senior or have a 17 on the English portion of the ACT, or an Accuplacer score of 90 or higher.***

***Morgan High School reserves the right to impose additional requirements for specific courses.***

***WSU will require a \$30.00 one-time admission fee per student and each course will require a \$5.00 per credit fee. These fees will be paid directly to Weber State University.***

***Students should only sign up for IVC classes if they are serious about their education and are willing to dedicate the time necessary to succeed. The grades received in these courses will stay on high school and college transcripts, which could affect scholarship opportunities.***

***Students enrolling in any IVC class will be required to follow the IVC schedule during the school year. IVC will hold class on some days when MHS is not in session and students will be required to attend. Students will also be required to miss any assembly that may conflict with their classes to attend IVC.***

## CTE/Elective



### WSU / Introduction to Criminal Justice 1010

#### (CJ 1010 SS)

Taught Tuesday and Thursday, Fall Semester Monday, Wednesday, & Friday Spring Semester

An introduction to the history, processes and functions of the American criminal justice system and its primary components, law enforcement, courts, and corrections.

**Credit:** CTE 1 and WSU 3

One WSU Semester

Grades: 11-12 (Enrollment priority given to seniors)

**\*Book rental, fees, lab, and material costs will apply**

## English



### WSU / Intro to Writing 1010

#### (ENGL 1010)

Taught Monday, Wednesday, and Friday or Tuesday and Thursday.

In this course students will learn practices of successful academic writing. Students will focus on the writing process, writing for specific audiences, collaboration with peers, and on the interrelationship between reading and writing.

**Prerequisite:** 17 or higher on the ACT English portion, or equivalent.

**Credit:** English 1 and WSU 3

One WSU Semester

Grade 12

**\*Book rental, fees, lab, and material costs will apply**



### WSU / Intermediate Writing 2010

#### (ENGL 2010)

Taught Tuesday and Thursday

This course will focus on writing arguments, conducting research, and documenting sources.

Students will continue to learn practices of successful academic writing including the writing process, writing for specific audiences, and collaboration with peers.

**Prerequisite:** ENGL 1010 with "C" Grade or better, AP Language and Composition or Literature and Composition examination with a score of 3 or better, ACT English and Reading score of 29 or better

**Credit:** English 1 and WSU 3

One WSU Semester

Grades:12

**\*Book rental, fees, lab, and material costs will apply**





## **WSU / Interpersonal and Small Group Communication 2110**

**(COMM 2110 HU)**

Taught Monday, Wednesday, and Friday

Explores the dynamics of verbal and nonverbal communication in personal relationships and small groups. The emphasis is on practical supplication of course content to enhance interpersonal relationships and to achieve competence as group members.

**Credit: English 1 and WSU 3**

*One WSU Semester*

*Grades: 11-12 (Enrollment priority given to seniors)*

**\*Book rental, fees, lab, and material costs will apply**

## **Fine Arts**



## **WSU / Introduction to Visual Arts 1010**

Taught Monday, Wednesday, and Friday or Tuesday and Thursday

Introduction to all forms of visual art covering processes (such as demonstration of the lost-wax process of metal casting), language, responses (oral and written assignments that utilize art related terminology), issues (such as patronage, feminism or orientalism), and ways of seeing and understanding works of art. A general education course for the non-art major.

**Credit: Fine Arts 1 and WSU 3**

*One WSU Semester*

*Grades: 11-12 (Enrollment priority given to seniors)*

**\*Book rental, fees, lab, and material costs will apply**



## **WSU / Introduction to Music 1010**

**(MUSC 1010 CA)**

Taught Monday, Wednesday, and Friday

An introduction to music, its elements, language, and historical development. The course focuses on European and American music with components of jazz, world, and popular genres. Concert attendance outside of regularly scheduled class time is required. Not available to music majors.

**Credit: Fine Arts 1 and WSU 3 One WSU Semester**

*Grades: 11-12 (Enrollment priority given to seniors)*

**\*Book rental, fees, lab, and material costs will apply**

## Social Studies



### WSU / Introductory Psychology 1010

#### (PSY 1010)

Taught Monday, Wednesday, and Friday or Tuesday and Thursday This course introduces the scientific study of human behavior.

**Credit:** *Social Studies 1 and WSU 3*

*One WSU Semester*

*Grades: 11-12 (Enrollment priority given to seniors)*

**\*Book rental, fees, lab, and material costs will apply**



### WSU / Political Science 1100

#### (POLS 1100)

Taught Monday, Wednesday, and Friday

A study of American constitutional democracy at the national level, including political institutions, interests, ideals, and the processes through which policies are formulated and implemented.

**Credit:** *Social Studies or Government & Citizenship 1 and WSU 3*

*One WSU Semester*

*Grades: 11-12 (Enrollment priority given to seniors)*

**\*Book rental, fees, lab, and material costs will apply**

**Students need both HIST 2700 and HIST 2710 (below) to fill the requirements for the American Institutions Class**



### WSU / History of the United States to 1877 (2700)

#### (HIST 2700)

Taught Tuesday and Thursday

A chronological survey of American history from Native American and European colonial origins through Reconstruction, 1877. Directed toward History majors, minors, and those planning to teach U.S. history. Students may fulfill the American Institutions requirement by completing this course and HIST 2710 with a grade of C or better.

**Credit:** *Social Studies or US History 1 and WSU 3*

*One WSU Semester*

*Grades: 11-12 (Enrollment priority given to seniors)*

**\*Book rental, fees, lab, and material costs will apply**



## **WSU / Object-Oriented Programming 1410**

**(CS 1410)**

Taught Fall Semester

An introduction to the C++ language. Topics will include data types, control structures, functions, pointers, arrays, I/O streams, classes, objects, encapsulation, overloading, inheritance and use of these concepts in problem solving.

**Prerequisite:** CS 1400 (Computer Programming I CE)

**Credit:** *Science or CTE 1 and WSU 4*

*One WSU Semester*

*Grades: 11-12 (Enrollment priority given to seniors)*

***\*Book rental, fees, lab, and material costs will apply***

## **Computer Science**



## **WSU / Object-Oriented Programming 1410**

**(CS 1410)**

Taught Fall Semester

An introduction to the C++ language. Topics will include data types, control structures, functions, pointers, arrays, I/O streams, classes, objects, encapsulation, overloading, inheritance and use of these concepts in problem solving.

**Prerequisite:** CS 1400 (Computer Programming I CE)

**Credit:** *Science or CTE 1 and WSU 4*

*One WSU Semester*

*Grades: 11-12 (Enrollment priority given to seniors)*

***\*Book rental, fees, lab, and material costs will apply***