

2016-2017

Agriculture

ANIMAL SCIENCE ENTRY

9 - 12th graders. Two Trimesters (students must enroll in both).

Prerequisite: Agriculture Biology, FFA membership or instructor approval.

CTE or Elective Science Credit.

Learn about domestic animals in a fun and exciting way! Subjects such as animal terminology, selection, physiology, nutrition, reproduction, genetics, health and management issues will be studied. FFA and SAE record keeping are also covered. An ideal class for FFA members and those interested.

BIOLOGY IN AGRICULTURAL SCIENCE (primarily for students interested in agricultural sciences and/or the National FFA Organization)

Primarily for students in the Agricultural science pathways and FFA members. A fun way to learn biology and earn science credit through labs and activities. The course will explore subjects of cells, genetics, DNA, biotechnology, evolution, animal and plant systems, and ecology. This course meets state requirements for core biology credit.

PLANT AND SOIL SCIENCE I, USU PSC 1800

College Credit Available for students admitted to USU.

Learn how to grow and manage plants for ornamental use. Students will learn plant structure, plant growth, reproduction, pest management, and management practices. Students will use the school greenhouse in producing plant crops for market. FFA and SAE record keeping are included. An ideal class for FFA members and those interested.

FLORICULTURE

Learn to make floral arrangements and produce plants! An exciting, hands-on course that exposes students to operations and management of greenhouse and floral plants. Subjects of floral plant identification, floral design, floral plant care and floral management are addressed. FFA and SAE record keeping are included. Floral arrangements will be made in the class for the students to take home.

Landscape Management

Students will develop knowledge and skills in landscape management practices. Units will cover subjects such as landscape design, landscape plant identification, landscape equipment care and managing a landscape. FFA and SAE record keeping are included.

Greenhouse Management

Learn to operate a greenhouse and produce plants! An exciting, hands-on course that exposes students to operations and management of greenhouse and floral plants. This course helps to prepare students to produce commercial plant species in a controlled environment. Skills needed for future employment in the rapidly growing and changing horticultural industry are taught. Units on FFA and SAE Record books are also covered.

Equine Science (Horse Management)

A great course designed to provide students an in depth understanding of horses and the equine industry. Units will include horse anatomy and physiology, genetics, nutrition, careers, basic care, disease prevention and treatment and general horse management. Units on FFA and SAE Record books are also covered. Learning activities will be varied with classroom, laboratory and field experience emphasized.

Intro to Ag Science

An exploration of the Agriculture industry. Students will develop knowledge and skills that will provide a foundation for courses in animal science, plant science, horticulture, natural resources, agricultural systems and technology, or Agricultural Science II. Topics covered will be basic animal, plant, and soil science; natural resources; food science technology; agribusiness; personal and leadership development; and agricultural career awareness. Through this course, students will develop agricultural literacy.

Band/Choir

General Choir

No audition required. Repeatable with teacher permission. \$10 fee required per trimester.

General Choir is a beginning performing group. Students will be required to spend time outside of class in rehearsals and performances. This choir will perform at least one concert per trimester. The focus of the class will be on reading music notation, learning proper vocal techniques as a choral singer, participating in and evaluating a variety of choral music and sharing what has been learned through performance.

Luminosa (Advanced Women's Choir)

Audition class for women only. Auditions are in the spring. Each participant must sign up for all three trimesters.

\$35 participation fee required for the year. Uniform purchase is required.

Luminosa is Uintah's advanced women's choir. They travel, compete, sing in the community and have a busy performance schedule outside of class. The focus of the class will be on

reading music notation, learning proper vocal techniques as a choral singer, participating in and evaluating a variety of choral music and sharing what has been learned through performance.

Men's Choir (Advanced Men's Choir)

Audition class for men only. Auditions are in the spring. Each participant must sign up for both the 2nd and 3rd trimesters. Uniform purchase is required.

Men's Choir is Uintah's advanced men's choir. They travel, compete, sing in the community and have a busy performance schedule. The focus of the class will be on reading music notation, learning proper vocal techniques as a choral singer, participating in and evaluating a variety of choral music and sharing what has been learned through performance.

Hi-Lites

Audition class for both men and women. Auditions are in the spring. Each participant must sign up for all three trimesters. \$35 participation fee required for the year. Uniform purchase is required.

Hi-Lites is Uintah's advanced mixed choir. They travel, compete, sing in the community and have a very busy performance schedule. The focus of the class will be on reading music notation, learning proper vocal techniques as a choral singer, participating in and evaluating a variety of choral music and sharing what has been learned through performance.

Band Concert

Prerequisites: Jr. High Band and Director approval. Available 2nd and 3rd trimester only. The Concert Band is a performance group. It is the core band of the high school band program. All students interested in band should take this class. There is a \$35 fee per trimester to be in the band, plus students will be required to purchase their uniform. Outside of class time commitment is required in this class. There is also some travel involved with this class. School instruments may be rented for \$30 per trimester. (Art)

Band Jazz

Prerequisites: By audition only. (Held in May) This is the premier performance ensemble in the school. It requires a year commitment and willingness to spend a lot of time out of school for performances and practice. Same fees for Concert Band apply to the Jazz Band. Although membership in the Concert Band is not required, it is highly encouraged. (Art)

Band Marching

Prerequisites: Junior High Band and Director approval and summer participation. The Marching Band is only offered first trimester, but actually starts in April of the previous school year. This band is open to all, but requires a major time commitment out of school. Several competitions and travel are required for the band, as well as Pep-Band at the football games.

There is a \$50 fee to be a member of the band as well as a uniform cleaning fee at the end of the trimester. Instruments can be rented from the school for \$30 per trimester. (Art)

Engineering/Manufacturing Tech

PLTW Introduction to Engineering Design (9-12) A & B

In this foundational course, students are taught to understand and apply the design process, create sketches, use computer software to design models, understand mass property calculations and parametric modeling, understand cost analysis, quality control, staffing needs, packing and product marketing, explore career opportunities in design engineering and understand what skills and education these jobs require, and develop portfolios to display their designs and present them properly to peers, instructors and professionals.

PLTW Engineering Design & Development A & B (Teacher Approval)

In this capstone course, students will work in teams to develop an original solution to a valid open-ended technical problem by applying the engineering design process. They will research, validate, and justify a technical problem. Each team will design, build, and test their solution. While progressing through the engineering design process, students will work closely with experts and will continually hone their organizational, communication and interpersonal skills, their creative and problem solving abilities, and their understanding of the design process. Finally, student teams will present and defend their original solution to an outside panel.

PLTW Digital Electronics A & B

Digital Electronics is an introduction to applied digital logic, a key element of careers in engineering and engineering technology. This course explores the smart circuits found in watches, calculators, video games, and computers. Students use industry-standards computer software in testing and analyzing digital circuitry. They design circuits to solve problems, export their designs to a printed circuit auto-routing program that generates printed circuit boards, and use appropriate components to build their designs. Students use mathematics and science in solving real-world engineering problems.

Physics with Technology A & B

An applied physics course that is part of the Utah science core curriculum and an appropriate related course for Career and Technical Education students.

Principles of Engineering A & B

Principles of Engineering is an introduction to some of the major concepts that students will encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high tech careers. Principles of Engineering gives students the opportunity to develop skills and understanding of course concepts through activity-, project-,

and problem-based learning. Used in combination with a teaming approach, learning challenges students to continually hone their interpersonal skills, creative abilities, and problem solving skills based upon engineering concepts. *RECOMMENDED SEQUENCE is to take "Introduction to Engineering Design" first.*

Transportation Technology

Grades 9-12 – one single trimester course

An introductory course that focuses on the world of transportation technology. Students will gain an understanding of how transportation technologies impact politics, the environment, society, and the economy. Students will develop a foundation in essential abilities and attitudes that will in turn expand their occupational opportunities in the world of transportation.

Energy & Power Technology

An introductory course focused on the world of energy technology. Students will gain an understanding of how energy & power technologies impact politics, the environment, society, and the economy. Students will develop a foundation in essential abilities and attitudes that will in turn expand their occupational opportunities in the world of energy and power.

Manufacturing Principles 1

Grades 10-11

A course offering hands on experience producing small useable items from wood, plastic, and composite material rough stock that meet a given set of design specifications. Emphasis is placed on selecting and using processes optimizing strength, cost, and overall quality.

PREREQUISITE: *Manufacturing Technology* or *Principles of Engineering* should be completed before taking Manufacturing Principles.

Manufacturing Technology

Grades 9-10, not repeatable for credit

An introductory course focused on the world of manufacturing technology. Students will gain an understanding of how manufacturing technologies impact politics, the environment, society, and the economy. Students will develop a foundation in essential abilities and attitudes that will in turn expand their occupational opportunities in the manufacturing world.

MATHEMATICS

Mathematics I

This two-trimester course is required of all freshmen. Students will investigate, problem solve, communicate, and make connections as they become fluent with the real number system by studying linear and exponential expressions, equations, and functions.

Mathematics I Honors

This two-trimester course covers the same, but also extends, the curriculum of Mathematics I and is for all freshmen who desire a more rigorous honors-level Mathematic I course. This is the only year students may choose to enter the honors track at Uintah High School.

Mathematics II

This two-trimester course is required of all sophomores. Students will investigate, problem solve, communicate, and make connections as they become fluent with the complex number system by studying quadratic and other expressions, equations, and functions.

Mathematics II Honors

This two-trimester course covers the same, but also extends, the curriculum of Mathematics II and is for all sophomores who desire a more rigorous honors-level Mathematic II course. Students enrolling in this class should have successfully completed both trimesters of Math I Honors.

Mathematics III

This two-trimester course is required for all juniors. Students become proficient with the complex number system by studying more advanced expressions, equations, and functions. This course is a pre-requisite for College Algebra. (Note: Third-year math graduation credits can also be earned by taking Accounting 1 & 2, Computer Programming 1A & 1B, or Statistics A & B.

Mathematics III Honors

This three-trimester course covers the same, but also extends, the curriculum of Mathematics III and is for all juniors who desire a more rigorous honors-level Mathematic III course. Students enrolling in this class should have successfully completed both trimesters of Math I Honors and both trimesters of Math II Honors. Mathematics III Honors is a pre-requisite for Calculus and College Algebra.

Calculus

In this three-trimester course, students will study families of functions, with an emphasis on graphical analysis. A formal discussion of limits will lead into the discovery of the slope of a curve and the concept of the derivative and its accompanying applications. These concepts will be revisited with the discovery of the anti-derivative and integration with its accompanying applications. Differential equations will be solved and, if time permits, Calculus-based sequences and series will be studied. All students will study for and prepare to take the AP Calculus Exam.

Statistics

Statistics covers the mathematical procedures for collecting, organizing and analyzing data. Simple and complex probabilities will also be calculated. Conjectures will be made from the data which is collected and analyzed. Students need to have a calculator to use at home. Math I, and Math II, are minimum pre-requisites to enroll in Statistics. A form must be signed by a parent and be on file with the counseling department for Statistics to replace Math III.

Foreign Language

Spanish 1

Students will engage in conversations, provide and obtain information, express feelings and emotions at a basic level. They will learn agreement of number and gender in Spanish, how to tell time, the date and interrogative words. Students will learn the subject pronouns and the three Spanish conjugations (-ar, -er, and -ir verbs) and how to conjugate in the present tense and in one of the past tenses (preterite). Students will also learn irregular verbs in the present tense. Indirect and direct object pronouns will be taught as well as comparatives, superlatives and demonstrative adjectives and pronouns. Students will learn about Spanish culture, foods, festivals, history and geography.

Spanish 2 (prerequisite: 75% or higher in Spanish 1)

Students will review all that was presented in first year Spanish. They will engage in conversations at an intermediate level. They will learn the irregular verbs of the preterite tense. Students will also learn reflexive verbs in present and past tense. In second year the imperfect tense (the other past tense) is taught including the irregular verbs Ir, Ser and Ver. Students will learn to distinguish between the two past tenses (preterite and imperfect) and learn when to use them in the same sentence. Other grammar concepts will include conditional and future tenses, stem changing verbs in the present and preterite, passive voice, present perfect tense and affirmative commands. Vocabulary will continue to be taught: travel, pastimes, shopping, foods and festivals. There will be more conversation and role plays. Students should have a strong background in English for success in this level.

Spanish 3 (prerequisite: 85% in Spanish 2)

Students will review all that was presented in Spanish 1 and 2. There will not be a lot of time spent reviewing since the concepts have been recycled in the previous levels. This is considered an upper level course. The uses of the conditional, future, present perfect, commands, subjunctive with impersonal expressions, expressions of emotion, adverbial clauses and past subjunctive, including imperfect, conditional and future perfect will be taught. Since this class can fulfill a senior English credit there will be an emphasis on writing in Spanish. A

journal will be required each week, and there will be short essays due throughout the course. As always vocabulary, culture and history will be taught.

Spanish 4 (prerequisite: 88% or higher in Spanish 3)

Students will review all that was presented in Spanish 1 through 3. There will not be a lot of time spent reviewing since the concepts have been recycled in the previous level. Each chapter will focus on a region of the Spanish speaking world and will include lessons in culture, grammar, current events and literature from each respective region. The grammar is recycled from previous years, but will now be used in context. This class may be primarily online with a weekly meeting with the instructor. Students need to be self-motivated!

French I

The study of basic French including greetings, weather, numbers, telling time, descriptions, basic French grammar, culture and history. Students must have a C or better to move on to the next level in French.

French II

Pre-requisite C or better in French I

A continual of French I, with an emphasis on future and past tenses in French, traveling, clothing, additional verbs and irregular verbs, as well as a more in-depth study of culture and history. Students must receive a C or better to move on the next level of French.

French III

Pre-requisite B or better in French II

A continual of French II, with an emphasis on more in-depth grammar. Students will be learning, the imparfait, future, and conditional tenses. As well as usage of direct and in-direct object pronouns. Students will be speaking and writing more in French. Students will learn vocabulary surrounding, home, school, family, and urban activities. The vocabulary will also include traveling, personal relationships, career and studies. This course counts as senior English credit.

Art

Design & Visual Communications

A digital art class where students use the computer to create projects. Includes; design of logos, business cards, brochures, collages, etc. Students will learn basic Photoshop and InDesign skills. (Formerly Commercial Art 1) (Art & CTE)

Commercial & Advertising Art A

Prerequisites: Design and Visual Communication. Creating digital art. Includes; instruction in concept design, layout, paste-up and techniques such as drawing and cartooning, collage and computer graphics. Students will learn advanced Photoshop, Illustrator and InDesign skills. (Formerly Commercial Art 2 and 3 (Art or CTE)

Commercial & Advertising Art B

Prerequisites: Design and Visual Communication and Commercial and Advertising Art A. This course is a continuation of Commercial & Advertising Art A. Creating digital art. Includes; instruction in concept design, layout, paste-up and techniques such as drawing and cartooning, collage and computer graphics. Students will learn advanced Photoshop, Illustrator and InDesign skills. Formerly Commercial Art 2 and 3) (Art or CTE)

Drawing I

This is a basic art class with no experience necessary. Creativity will be stressed while learning the basic principles. Students will use several different media, with an emphasis on learning to draw. Art history and appreciation will also be taught. This class is a prerequisite for Painting I and Studio Art. (Art)

Drawing II

By Teacher Invitation Only. Prerequisite is Drawing I. Students will be doing two drawings, and experimenting with different mediums and techniques of drawing. This is an exclusive class for serious artists who have displayed an intense work ethic in the drawing I class. **Those interested must talk to Mr. Manwaring.**

Painting

Prerequisites: Basic Drawing or General Art. This is a beginning painting class. The use of black and white will be taught while learning to oil paint. History and appreciation of art will also be taught. (Art)

Painting II

By Teacher Invitation Only. Prerequisite: Drawing I, Painting I, Drawing II. This is an exclusive class for serious artists who have displayed an intense work ethic and are self-motivated. Those interested should visit with Mr. Manwaring.

Social Dance 1

This class will introduce social skills, dance etiquette, group activities to help students feel comfortable in a social atmosphere. Frequent changing of partners, will occur as students learn ballroom dances like; the waltz, cha cha, foxtrot, rumba, salsa and swing. School clothing will

be worn. Equal numbers of male and female students are necessary, register with a friend of the opposite gender. (Fitness Elective, Art)

Stagecraft

This is a class for responsible students that like doing technical work. Students will participate in design and building sets and technical effects for plays, musicals and assemblies. Students must be able to attend some rehearsals and all performances. Experience is helpful, but we'll train you, if you haven't worked on the stage before. (Art)

Theater 2

Prerequisite: Beginning Theater. This class is for students who have already taken theater at the junior high level. (Art)

Theater 3

Prerequisites: Theater 2 and juniors or seniors. This class is for serious students of theater. The course work will include advanced performances, different forms of theater, how to critique plays and movies and a little theater history. (Art)

Yearbook (Commercial Art 4)

Prerequisites: By application only. This class produces the school yearbook. (Art or CTE)

FINANCIAL LITERACY

General Financial Literacy

Financial Literacy is a graduation requirement. This class is for juniors and seniors only. Students will learn basic finance principles that will help them become competent members of our financial society. Concepts studied will include saving, credit, credit cards, stock market, buying a car, buying a house, debt, calculating monthly payments, insurance, and retirement. (Financial Literacy)

Physical Education

9th grade PE (participation skills)

"Participation Skills and Techniques is designed to develop competency in up to five different

activities. Competency involves the ability to apply the basic skills, strategies, and rules using standardized guidelines or rubrics. Course activities present an extension of or newer content than that presented in previous classes. Examples of activities that may be included, but not limited to, are bowling, weight training, aerobics, walking, jogging, rope jumping, Ultimate Frisbee, basketball, martial arts, softball, flag football, team handball and soccer. Physical fitness and proper nutrition are emphasized as necessary for maintaining good health throughout life, and physical activity is taught as a means of reducing stress.”

Advanced Athletic Training

Prerequisites: Fitness for Life and Coach approval. Member of UHSAA sanctioned athletic team. Co-ed. This class will be more intense than the Fitness for Life class. Circuit training, plyometrics, speed and agility exercises will be utilized to enhance physical fitness and athletic skill. There will be no bookwork in this class. (Fitness Elective)

Fitness for Life

This class is an individualized, concept-based, one-Trimester course designed to give students the knowledge and skills necessary to self-assess, create, conduct, evaluate, and redesign personal fitness programs. It is required of all students and there are no substitutions, including participation in athletics. Fitness for Life may be taken anytime during grades nine through twelve, but it strongly recommended that students take the class in either the ninth or tenth grade year. The course is a combination of classroom and activity-based learning activities with a focus on proper nutrition and the mastery of skills and concepts necessary for students to become accomplished monitors of their personal life-time fitness. Through participation, students learn to compare the fitness benefits in a variety of individual and team activities. (Fitness Required)

Health Education

The goal of health education at the high school level is to help establish patterns of behavior that will assist a person in achieving complete health. Complete health is accomplished by having a balance of physical, mental, social, emotional and spiritual well being. This course is designed to offer students the opportunity to acquire knowledge, incorporate process and life skills and develop positive attitudes about life. Development of a healthy body and a healthy mind will assist young people in living active, productive and successful lives. (Health Required)

Lifetime Activities

Prerequisite: Fitness for Life. This is a one trimester class designed to offer a higher level of proficiency and more in-depth instruction in up to three different lifetime activities. The curriculum emphasizes individual or dual activities with improved fitness as a goal. Examples of activities which may be included, but not limited to, are golf, archery, bowling, weight training

and conditioning, walking, jogging, disc golf, tennis, disc football with no more than six member per team. Physical fitness and proper nutrition are emphasized as necessary for maintaining good health throughout life; and physical activity is taught as a means of reducing stress. There will be assigned reading and writing. (Fitness Elective)

Social Dance

This class will introduce social skills, dance etiquette, group activities to help students feel comfortable in a social atmosphere. Frequent changing of partners, will occur as students learn ballroom dances like; the waltz, cha cha, foxtrot, rumba, salsa, swing, tango and salsa. School clothing will be worn. Equal numbers of male and female students are necessary, register with a friend of the opposite gender. (Fitness Elective or Art)

Weight Training

Prerequisites: Prerequisite: Fitness for Life and coach approval for sophomores. This is an advanced weight training class using free weights. Students will follow training programs designed for a specific sport or body building. Students cannot take weight training and fitness in the same Trimester. Seniors who have met their P.E. graduation requirements but are lacking in graduation credits in other academic areas may only take a P.E. class one time in their senior year. No student will be allowed to repeat fitness or weight lifting during the same school year without permission of the instructor. (Fitness Elective)

Weight Training Advanced

Prerequisites: Fitness for Life and Coach approval. Member of UHSSA sanctioned athletic team. Co-ed. This is an advanced weight training class using free weights, plyometrics, speed, and agility drills to enhance physical fitness and athletic performance. Cardio testing done weekly. Students will follow training programs designed for a specific sport. (Fitness Elective)

AP English

This is an Advanced Placement English course for college-bound students. The curriculum is college approved, and emphasizes interpretive literature and advanced expository writing. Students may test at the end of the course and receive eight Trimesters of college English credit, if their scores meet AP requirements. The fee assessed for the AP exam is approximately \$88. Students are required to purchase their own text at a cost of approximately \$85. Other special materials may be required at extra cost. This class fills both the reading and writing strand requirements. (Language Arts 11)

British Literature

Business Communication I

This class can be used as an English credit to fulfill the 4th year English requirement. Business communication impacts all aspects of our lives. This introductory course will teach students to communicate in a clear, courteous, concise, and correct manner on both personal and professional levels. Competency will be developed in oral, written, social, technological, employment, and organizational communication. Listening skills will be incorporated throughout the semester. The overriding goal is to provide students with a solid communication base so they are able to function effectively in any course of study and in our global society. Credit can be used towards a UBATC certificate. Lab Fee: \$8.00. (CIP 52.0511) (CTE, Language Arts 12)

Business Communication II

This class can be used as an English credit to fulfill the 4th year English requirement. This class is highly recommended for students interested in any phase of business. This course is independent of Business Communication I. Students will focus on methods of constructive communication skills. Competency will be developed in oral, written, social technological, employment, and organizational communication with listening skills incorporate throughout the semester. The goal is to provide students with a practical, proficient portfolio consisting of a resume, job application, and an oral presentation. Students will also complete an in-depth business report. Credit can be used towards a UBATC certificate.

Creative Writing

This is a class for students who are serious about learning how to create manuscripts that would be suitable for publication. A variety of genres, literary devices, and writing strategies will be studied and used by students in this class. Teacher recommendation is required to enroll. (Language Arts 12)

English 10

This course continues the development of skills learned in the previous years. Students will further improve their levels of comprehension through various forms of literature including fiction and nonfiction. Students will have many opportunities to practice writing to increase fluency and generate ideas. (Language Arts 10)

English 10 Advanced

Prerequisites: A minimum grade of "B-" in a previous English class. A student may register for this course in place of English 10, if requirements are met. (Language Arts 10)

English 11

This course continues the development of basic skills learned in previous years. Student will further improve their reading comprehension through the study of American literature including both fiction and nonfiction. Students will also have several opportunities to practice writing to increase fluency and generate new ideas. (Language Arts 11)

English 11 Advanced

Prerequisites: A minimum grade of "B" in previous English classes. The course will enhance development in both reading comprehension and writing skills necessary for entering higher education. The focus is on American literature. (Language Arts 11)

English 12 Advanced

Prerequisites: AP English. This class is a continuation of Advanced Placement English. It is recommended for students who wish to continue in-depth oral and written analysis of literature. It is also recommended for students who wish to have an additional year's preparation for the Advanced Placement Literature and Composition Test or for students who wish to take the Advanced Placement Language and Composition Test. (Language Arts 12)

Science Fiction & Fantasy

This class will study the life and writings of prominent science fiction and fantasy authors. A variety of short stories and novels will be used to illustrate the patterns and themes of this kind of literature. The writing of essays, poems, and stories will also be part of the study requirements of this class. **This class is offered to seniors only.** (Language Arts 12)

Debate

Communication is the process of sharing your ideas with others. This class will help you examine your inner feelings and help you learn how to share those feelings and ideas with others. Subjects discussed in class include the following; discovering yourself, developing self-confidence, trusting others, putting your ideas into words, sharing ideas with another person, small group communication and speaking experience. (Language Arts 12)

Science

Anatomy/Physiology

This is an upper level and somewhat difficult science class. It is a study of the structure and function of the human body. It is a great class for anyone who intends to work in a health-related career such as medicine, dentistry, nursing, physical therapy, lab technician, etc. It fills the biological science requirement, but it is much more difficult than biology. Most students who enjoy science will enjoy this class. (Science)

Biology

This is a study of the science of life. In part A, students study cells, cell division, genetics, genetic engineering and evolution. In part B, students study ecology, environmental issues, the responsibilities of man with regard to the environment and we briefly survey the plant, animal and other kingdoms. (Science)

AP Biology

The Advanced Placement Biology course is designed to be the same as a college introductory biology course, usually taken by biology majors during their first year. The AP Biology course differs significantly from the usual high school biology course with respect to the range and depth of topics covered, the kind of laboratory work performed by students, and the time and effort required of students. At the completion of the course students have the option of taking the A.P. Biology test for a fee of \$90. With a passing score on the A.P. test, students will receive up to 9 college credits.

Chemistry 1

Prerequisites: Algebra I and have a good math background. This is a class for students who are interested in post-high school education or who have an interest in the sciences. It is a must for anyone who seeks a career in engineering, medicine, nursing, dentistry, biology or any other science related career. It is a study of atoms, chemicals, chemical reactions, energy, scientific measurement, chemical bonds, chemical composition equations, and gas laws, behavior of matter and acid/base chemistry. There is much lab work. A calculator is needed. (Science)

Chemistry 2

Prerequisites: Chemistry 1 with at least a "C-" grade and Algebra 2. . This class is a continuation of Chemistry 1 with the main emphasis on laboratory work. It takes an in-depth look at the

periodic table, acids and bases, rates of reactions, kinetics and an introduction to organic chemistry. (Science)

Physics

Prerequisites: Should have successfully completed Algebra 2 and should be enrolled in or have completed Adv Mathematics. This class covers a broad range of the physical aspects of our world. Concepts consisting of motion, Newton's Laws, energy, heat, light and sound. This class is strongly recommended for college or technical students interested in engineering, chemistry or other physical science careers. Students should have a scientific calculator. (Science)

Physics with Technology

Physics with technology is a "hands-on" applied physics course that is designed to teach students about how the world around them works. It does carry a required science credit. This class breaks energy systems into four categories which are: Mechanical Systems, Fluid Systems, Electrical Systems, and Thermal Systems. Topics in each of these categories include: Force, Work, Rate, Resistance, Energy, Power, Momentum, Waves & Vibration, Radiation, and Light. Learning in this class is primarily through labs that are associated with each topic. Students learn through observation, healthy dose of robotics and digital electronics with elements of design. If you want to learn how the world around you works, then this is the course for you.

SOCIAL STUDIES

US Government & Citizenship

Prerequisites: Seniors. This class will provide a basic foundation for study of American government and politics. It will focus on the role of the citizens in our governmental system—particularly how to be an informed citizen. Students will learn the principles of the U.S. Constitution, federal and state government, governmental powers, voting, citizenship skills and how to change the government. (American Government)

Ancient World History

Students will learn the contributions of cultures and societies of the ancient world as they applied to the development of western civilization. This class will cover the time period from prehistoric to the 1500's. It is recommended that college-bound students take both Ancient and Modern World History. (World History)

Criminal Law

This class is an examination of the criminal justice system and process. Including crime, law-making, criminality, prosecution, police, courts and corrections. Included is a comparative analysis of some important problems of substantive criminal law and criminal procedure against the background of various legal systems. Topics include structure and dynamics of criminal trials, prosecutorial and police discretions, lay participation in the administration of criminal justice. Students must complete a ride-along with local police agencies and participate in a mock trial. (Social Studies Elective)

Modern World History

This class will cover from the 1700's to the present with an emphasis on European history. This class is highly recommended for college-bound students. (World History)

Psychology

Prerequisites: Juniors—Seniors. Students will study the behavior of individuals based upon psychological theories and concepts. The class will cover motivation, relations, personalities, abnormal behavior, intelligence and learning. (Social Studies Elective)

U.S. History

This class will cover American History from 1865 to the present, the rise of the West, the effects of immigration, the emergence of the United States as a world power, the role of the United States in World War I and II. This class is the study of accomplishments and internal problems of the United States. Students who fail either section A or B must retake and pass the class. (U.S. History)

AUTO/DIESEL

Auto I – Intro

No prerequisites but, Physics: Science and Engineering A & B are recommended. This Trimester class is about the basic fundamentals of mechanics, both light duty and heavy duty applications. We will investigate Auto Mechanics and Heavy Equipment Mechanics as a career and help students make decisions about their advancement in it. This competency based, individualized class is taught both in the shop and in the classroom with a hands-on approach. In this class we cover all the basics of mechanics that you will need for other mechanics classes. If you like to take things apart and put them back together the right way, then this class is for you. (CTE)

ASE General Service Technician

Prerequisites: Intro Automotive. This course will prepare students to become qualified as General Service Technicians. Lab and classroom activities are oriented toward high levels of technical understanding, Current development of student's diagnostic capabilities, and proficiency with recommended service procedures. Project work will be related to assisting the students to become qualified. (CTE)

Diesel Technician, Adv

Prerequisites: Intro Automotive & Instructor Permission. This course that prepares individuals to apply technical knowledge and skills in the field of maintenance and overhaul of diesel equipment. The course includes instruction in inspection, maintenance, and repair of trucks, wheels, brakes, operating controls, pneumatic and hydraulic systems, electrical/electronic circuitry, and engines. (CTE)

Medium/Heavy Vehicle Systems

Prerequisites: Diesel Technician. This course is the first in a sequence that prepares individuals to apply technical knowledge and skills to the specialized maintenance and repair of trucks, buses, and other commercial and industrial vehicles. Instruction covers training in four areas which includes safety, preventative maintenance inspection, brake systems, and electrical and electrical systems. These courses could be based on the Automotive Service Excellence (ASE) skills, work ethics and productivity are an integral part of the classroom and lab activities in this course. (CTE)

BUSINESS

Accounting I

This class can be used as a Math credit to fulfill the 4th year math requirement. Students will develop skill beginning with an understanding of the basic elements and concepts of double-entry accounting systems. Skills will include knowledge of the accounting cycle, entering transactions in journals, posting to ledgers, compiling end-of-period worksheets, adjusting and payroll systems, and writing and communication examples. Online workbooks are used as part of the curriculum. Lab fee: \$25. Credit can be used towards a UBATC certificate. (CIP 52.0312) (CTE, Math)

Accounting II

This class can be used as a Math credit to fulfill the 4th year math requirement. Students will develop advanced skills that build upon those acquired in Accounting I. Additional accounting skills such as reconciling uncollectible accounts, calculating depreciation on assets, interpreting financial information, and calculating notes and interest will be developed. Online workbook will again be incorporated as an essential tool. Lab fee: \$25. Fee will be waived, if student has paid the fee for Accounting I during the current school year. Credit can be used towards a UBATC certificate. (CIP 52.0322) (CTE, Math)

Business Communication I

This class can be used as an English credit to fulfill the 4th year English requirement. Business communication impacts all aspects of our lives. This introductory course will teach students to communicate in a clear, courteous, concise, and correct manner on both personal and professional levels. Competency will be developed in oral, written, social, technological, employment, and organizational communication. Listening skills will be incorporated throughout the semester. The overriding goal is to provide students with a solid communication base so they are able to function effectively in any course of study and in our global society. Credit can be used towards a UBATC certificate.

Business Communication II

This class can be used as an English credit to fulfill the 4th year English requirement. This class is highly recommended for students interested in any phase of business. This course is independent of Business Communication I. Students will focus on methods of constructive communication skills. Competency will be developed in oral, written, social technological, employment, and organizational communication with listening skills incorporate throughout the semester. The goal is to provide students with a practical, proficient portfolio consisting of a resume, job application, and an oral presentation. Students will also complete an in-depth business report. Credit can be used towards a UBATC certificate.

Business Law

Students will gain an understanding of the law as it relates to them currently and the implications of the law in their future lives as well as the lives of their family and friends. The course will include an understanding of the court system at the local, state and national level. Students will gain an understanding of contract law, their rights and responsibilities as citizens, utilization of financial transactions, employment and agency relationships, and the understanding of the regulations governing different types of business organizations.

Business Management

This Business Management course seeks to develop sound management skills 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, accounting, and production) as well as focus on managing one's time and the time and talents of others. Effective management requires decision-making abilities, long-range planning knowledge, human relations expertise, and motivational skills. Students learn leadership skills and are able to select appropriate management styles. Finally, students are taught current technological applications and the effect international trade has on management style and decisions.

Web Page Design Basics

This class provides students with an introduction to the Internet. Students will demonstrate a basic knowledge of the Internet and its tools through the use of Email, search engines and browsers. HTML and web publishing software will be used to create, format, illustrate, design, edit and publish web pages. Emphasis will be placed on the application of the Internet in the business world. Credit may be applied towards a UBATC certificate. Lab Fee: \$8.00. (CTE)

Word Processing Basic

This course builds upon the knowledge acquired in Keyboarding. Students develop application competencies of word processing. Improved productivity in the most efficient, timesaving way of producing documents using word processing software is stressed. An integral part of this course is continued instruction and practice in formatting and editing and the creation of business documents through the use of functions such as merge. Graphics are also introduced. Credit can be used as an elective towards a UBATC certificate. Lab Fee: \$8.00. (CIP 52.0471) (CTE)

COMPUTER SCIENCE

Computer Programming 1A

This class can be used as a Math credit to fulfill the necessary math graduation requirements. This is a beginning class in computer programming and applications. Have you ever wanted to try to make a computer game or see how computer software is made? Then this is class for you. This class introduces students to the fundamentals of computer programming, simple control and data structures, operating system commands and the use of text files. Students will create and test basic applications and game programs using Visual Basic, Fusion and Alice 3-D.

Computer Programming 1B (Java)

This class can be used as a Math credit to fulfill the necessary math graduation requirements.

An intermediate class in computer programming using the Java programming language. Reviews and on builds on the concepts introduced in Computer Programming 1A. This class introduces students to more complex data structures, sequential files, arrays, graphical user interface, classes, and recursive processes. Students will learn to create more powerful programs.

Computer Programming 2

Computer programming II is an advanced class in computer programming and application development. Reviews and builds on the concepts introduced in Computer Programming 1B. This class introduces students to dynamic allocation of data, creation and utilization of classes, advanced GUI techniques, and to advanced applications of recursion.

Computer Technology

Students will receive a basic introduction in six main areas: word processing, spreadsheets, computer ethics, computer operating systems (hardware and software), information resources (use of the Internet, online libraries, E-mail), and presentations (Microsoft PowerPoint). Included in this class is an integrated, cross curricular project. Students will be using the skills learned in this class to do a project for another class in another subject area. Credit may be applied towards a UBATC certificate. Lab Fee: \$8.00. (Information Tech). (CIP 52.0417) (CTE)

Digital Media 1A & 1B

Prerequisite: Keyboarding proficiency and Computer Technology (Computer Literacy) Skills Certification Exam: #810. Multi-media is the process of planning, instructional design and development of interactive computer applications. Multimedia A is the first-trimester interactive media course where students will create and learn using elements of text, graphics, animation, sound, video and digital imaging to create interactive computer applications to be delivered on CD_ROM, Internet or other media. Students will use digital cameras and scanners. These skills will prepare students for entry-level multimedia positions and will provide fundamental interactive media understandings and skills beneficial for other occupational/educational endeavor.

3D Graphics

3D Graphics is a one trimester course. Students will use 3D graphics software to produce 3D models. This course will introduce students to 2D and 3D modeling, the creation and application of textures, mapping, lighting, camera techniques and rendering of 3D models. Students will be using the Cinema 4D software.

3D Animation

Prerequisites: 3D Graphics. 3D Animation is a one-trimester using 3D graphics software to produce 3D models and animations. This course will introduce students to 2D and 3D, animation planning, storyboard development and the animation process. Students will be using the Cinema 4D software.

FAMILY & CONSUMER SCIENCES

Adult Roles & Responsibilities

This course prepares students to understand the nature, function, and significance of individual and family relationships. Topics include: decision-making to set and implement goals, values, communication skills, self-awareness, families, sources of income and the relationship between income and career preparation, crisis management, dating, marriage preparation, marriage, and money management, saving, investing and parenting. (CTE)

Early Childhood Education

Prerequisite: Child Development

This course prepares individuals for child-related careers and more extensive parenting skills. Instruction is given regarding standards involved with child care; employment skills needed to work with young children, how to maintain a healthy environment and the **curriculum design** for young children. The students will **prepare a file of activities** to be used when working with children and they will have the responsibility and experience of running a small preschool. (CTE)

Child Development

This course is for any student, (male and female), who plans to be a parent someday (or has younger brothers and sisters or nieces or nephews). It provides students with an understanding of the aspects of human growth and development; beginning with conception, prenatal development, and birth. It moves on through the developmental stages to the preschool stage. Parenting skills are developed as positive guidance techniques and child related issues are studied. The *Empathy Belly* (pregnancy simulator) and electronic *Baby Think It Over* infants are used as teaching tools. (CTE)

Foods & Nutrition II

This course includes short units on basic nutrition, myplate, meal planning, knife skills, casseroles, soups, salads, and yeast breads. Each student is required to do home cooking experiences along with sampling new and different foods. (CTE)

Foods & Nutrition I

Students will be trained for career opportunities in the food service/culinary arts industry. Students will have the opportunity to learn and practice safety and sanitation procedures, and use and maintain commercial food service equipment. They will perform quantity food preparation as it relates to catering, bakery, restaurant, hospitality, and fast food business operations. (CTE)

ProStart I

ProStart is a nationwide, two-year program, for high school students, that develops the best and brightest talent into tomorrow's industry leaders. From culinary techniques to management skills, ProStart's industry-driven curriculum provides real-world educational opportunities and builds practical skills and a foundation that will last a lifetime. This basic course from the National Restaurant Association introduces students into the world of culinary arts and hospitality management. Basic communication skills, safety and sanitation, food preparation, meal planning, and other topics are taught in this beginning course. (CTE)

Interior Design I

This is a course that helps students understand basic housing decisions and design ideas. Students will be introduced to the Elements and Principles of Design; including, line, form, texture, color, balance, rhythm, etc. Students will compile a notebook showing examples of design concepts, color schemes and floor plans. Many projects are required. (CTE)

Designer Sewing (Textile Designer Entrepreneurship)

Grade Levels 10-12

Learn to design, cut, and piece, sew and machine quilt a full-sized quilt. Advanced students will complete a required advanced project in addition to a second quilt. This course will also focus on entrepreneurial opportunities and careers in design fields such as Home décor items that are made by sewing and could be turned into a lucrative business.

Clothing and Textiles I

Grade Levels 9-12

This course introduces students to basic sewing and pressing equipment, textiles and introductory level project construction techniques. Join us in making some fun projects as you

learn to sew.

“Geography is described as the study of the “why of the where.” Geography for Life will explore how to use geography as a tool to better understand the world in which we live. Students will learn to evaluate and question the why and where of spatial perceptions that are read, seen, and heard. The six standards identified below are best understood when using the following geographic themes: location, place, movement, region, and human-environmental interaction. A class will include map skills with physical and human geography essentials, beginning with North America, South America, Europe, and their connections to other world regions.”

GRAPHICS

Graphics Communication/Introduction

This class is an overview of the graphic arts industry and the basic printing processes and techniques. Practical experience is given to the student through the production of personal stationary, T-shirts and other projects. (CTE)

Graphics Communications/Digital File Prep

Prerequisites: Graphics/Printing Basic or Commercial Art. This class will explore good design in more detail. Students will be taught how to take their ideas those into electronic data. Computer programs using page layout, drawing and image editing will be used to facilitate the process. Students will also do projects using the offset press, screen printing press and other graphics equipment. (CTE)

Graphics Communications/Intermediate

Prerequisites: Graphics/Printing Basic or Graphics/Digital File Prep. The Digital File Prep course is recommended but not required. This class takes design ideas and flows them through the entire printing process. The class will take the designs and check for possible errors (pre-flighting), learn to perform color separations and finally how to make the plates and screens for printing. Computer programs using page layout, drawing and image editing will be used to facilitate the process. Students will take their final designs and print them on either the offset press or screen printing press. (CTE)

Graphics Communications/Advanced

Prerequisite: Graphics/Printing Intermediate. The Digital File Prep course is recommended but not required. This class reviews and expands on each of the steps of the printing process. The offset press operation is taught in depth as students get hands-on experience with an offset press. Also, students will learn how to put the finishing touches on the printed piece. The

bindery features of stitching, cutting, drilling and folding will be taught throughout the trimester. Quality control measures will be followed extensively. Students will take real jobs and complete them on the offset press and screen printing press.

Graphics Communications/Introduction to Screen Printing

Prerequisite: Graphics/Digital File Prep or Graphics/Printing Intermediate. This class focuses on the screen printing process. Students will learn how to prepare screens and artwork for printing. Students will also learn how to properly clean and reclaim screens. Actual experience will be gained in the printing of t-shirt and poster designs.

INTERNSHIP

Internship

Prerequisites: Application required with a minimum GPA of 2.0 and good attendance in previous Trimester. (Juniors and Seniors only). The Internship Program gives high school juniors and seniors the chance to test their career interests before they invest time and money into college and other training. Students must have taken or be currently enrolled in related course work and will attend a Critical Workplace Skills class one day a week and go to the worksite the other days of the week. This class is a great opportunity for students to see first-hand what is involved in their proposed career choices. Work-site must be related to student's SEOP career goal. Transportation is the responsibility of the parent/guardian and students are not allowed to transport one another. Some participating employers do require a background check and drug screen prior to participation. **CWS 8885 Critical Workplace Skills—Monday class.**

MARKETING

Advertising

No prerequisites. This course provides students with an understanding of basic advertising principles in relation to promotion and marketing and training for an entry-level job position in the exciting, constantly changing service fields of advertising and display. Students will learn about the appropriate and productive use of display space, television, radio, newspaper, digital media and other forms of promotion. Students will create, produce, and accurately evaluate

the efficiency of various exhibits and advertising strategies as they relate to an integrated marketing communications program.

Economics

This course is an exciting introduction to basic economics and the American Enterprise system. Through a variety of games, simulations and learning activities, the students will understand economic concepts and be able to apply them in their lives. Games and learning activities will cover the areas of supply and demand, national debt, international trade, supply of money and business ownership. This course is based on the Junior Achievement program and will involve a local business consultant.

Entrepreneurship

No prerequisites. Students 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 will 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 who have an interest in developing the skills, attitudes, and knowledge necessary for successful entrepreneurs.

Fashion Merchandising

Fashion Merchandising A prepares students with the fundamentals of basic fashion and business concepts such as textile fibers and yarns, garment styles and parts, retail merchandise categories, designing and producing apparel, retail business fundamentals, and fashion promotion.

Marketing

An introductory course designed to teach concepts of common marketing practices and entry-level management in business. Many concepts are taught through activities and group work. Subjects include: competing in today's business world; developing business ethics; launching and managing a successful business; developing target markets, advertising, and marketing strategy. The psychological aspects of selling and pricing will also be covered. Students will develop an advertising campaign for a product of their choice, sales presentation and develop a new product concept.

Marketing Sports & Entertainment

This course is primarily designed for students who want to become a Marketing Sports Director at a college or a private sports franchise. As an introductory course, the focus will be on those things that professionals actually do: selling advertising, selecting target markets, displaying signs and logos, coordinating sporting events, organizing food and beverage operations, and promoting the overall image of a sports event. Class Fee: \$8. (CTE)

Retailing School Store

Prerequisite: Application and teacher approval. Open to Juniors and Seniors. This class centers on the actual daily operations of the school store. Students will perform responsibilities such as ordering, inventory control, pricing, sales, customer relations, etc. Moreover, students will develop advertisements, displays, and sales promotions for the school store. (CIP 08.0705) (CTE)

Sports & Entertainment Marketing

This is an introductory course which will help students develop a thorough understanding of the marketing concept and theories that apply to sports and sporting events. The areas this course will cover include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and sports marketing plans. This course will also delve into the components of promotion plans, sponsorship proposals and the key elements needed in sports marketing plans.

Travel & Tourism

This course provides the student with an understanding of the career opportunities in the “leisure-time” industry. Specific application includes the industries of travel, lodging, resort management, food/beverage, and those products and services related to entertainment, sports, hobbies, and cultural activities. To successfully compete in these fields requires competency in human relations, communications, advertising and promotion, selling management, and business operations.

ELECTIVE CREDIT & CTE

Peer Tutor

Peer tutors will instruct intellectually disabled students in the classroom and in the community (banking, grocery shopping, fast foods, vocational sites, etc.) They will record and keep data daily. Peer tutors need to be responsible, dependable and have good attendance. A student may not enroll in more than one aide class per Trimester and no more than two during high school.

TV Broadcasting

This course is designed for a very select group of students with a sincere interest in broadcast journalism; television, studio production and audio/video equipment utilization. There will be ample opportunities for creative design and editing for school announcements. Production time lines and deadlines will be crucial and consistent attendance is imperative. (Art, Elective)

Woodworking

You will be given an opportunity to learn about building furniture using a variety of industrial equipment, basic construction techniques, and a little bit about finishing materials. You will have fun creating a beautiful piece of furniture when you are finished. Freshmen through seniors are welcome. No experience with woodworking skills is required. (CTE)

Furniture Design & Manufacturing

(Can be taken for multiple trimesters and multiple periods) Prerequisite: Woodworking. You will have the opportunity to operate all of the woodworking equipment in the shop while building various types of furniture using custom design techniques. The class will usually be a 2 hour class, but this is not mandatory. You will learn many more advanced techniques of construction, different building styles, and various ways to finish a project. Learn how to construct kitchen cabinets or reface old cabinets. Job opportunities may be available with this class instruction. (CTE)

Cabinetmaking & Millwork

This is the third instructional course in a sequence of courses that prepares individuals to apply technical knowledge and skills to set up and operate industrial woodworking machinery. Teaches individuals to 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 kitchens and vanities are constructed, finished, and installed as part of this program.

Construction Trades

Prerequisites: None. A course that generally prepares individuals in the following areas; basic safety, introduction to blueprint reading, introduction to hand tools, introduction to power tools and introduction to construction math. It also includes an industry overview, what to expect on the job and specific career opportunities. (CTE)

Technical Design

(Can be taken for multiple trimesters and multiple periods) Includes these courses in the Drafting/CAD Pathway: Drafting & Design Technology, CAD Drafting Technology, Architectural Drafting, Mechanical Drafting. A series of courses designed to prepare a student to enter the computer-aided design profession. Course work includes: an introduction to basic drafting design principles, skill development in a variety of CAD software packages including architectural, mechanical and CNC, architectural design principles, manufacturing and machine design principles, 3D modeling and CNC milling and turning. Multiple UBATC certificates and an associate degree in computer-aided design are available to students enrolled in this program of study. (CTE)

Exercise Science/Sports Medicine

If you are interested in Sports Medicine or Athletic Training this class is for you. We cover legal issues, ethics, basic anatomy and physiology (muscles, bones, cardiac and respiratory systems), nutrition, first aid (how to treat sprains, strains, muscle injuries, wounds, heart and lung conditions), basic taping techniques (wrist, elbow, shoulder, knee, ankle), treatment modalities (ultrasound, TENS shock therapy, heat and cold), rehabilitation issues (physical therapy), pharmacology (drugs associated with athletics), basic physical conditioning, how our bodies respond to injury and how the healing processes work. Sports Medicine and Athletic Training are exciting fields to pursue a career in. If you are considering a career in either of these fields or athletics is in your future, this class will provide a valuable foundation for future college courses. (CTE)

Emergency Medical Services, Introduction to

Learn how to correctly handle and respond to everyday emergency situations. This course includes training in respiratory and cardiac emergencies such as heart attack, chest pain, cardiac arrest, asthma attacks, breathing problems, choking, and anaphylaxis. Treating injuries to bones and muscles, injuries that cause bleeding, head and spinal injuries, general injuries and sickness, poisoning situations, patients in shock, and emergency child birth are all areas covered in the course. Taking a patient's vital signs and learning how to splint, control bleeding, and care for wounds and burns are all skills taught. Hands-on skills and training are a vital part of the curriculum. Interaction with local ambulance crew members and medical professionals is an integral part of the class. American Heart Association CPR certification is included which is valid for two years.

Medical Terminology

This is an excellent course for anyone interested in the medical field. Medical Terminology is a vital part of every aspect of medical care. The curriculum covers every body system and the medical language corresponding to them. This is a beneficial course for students interested in working in a medical office or hospital setting. This is a non-lecture course. The curriculum

involves work on the computer along with Medical Term worksheets. A student can move as fast as they want to through the class. (CTE)

Medical Anatomy & Physiology

This class gives a strong knowledge base of the human body and the diseases and disorders that affect it. This course covers the structure and functions of the different human body systems and the diseases that afflict them. If you are curious about how different diseases affect the human body, this class covers it. If you enjoy learning how your body works, this class will be beneficial. Many dissection labs are involved in the curriculum for in-depth study of the human body. (CTE)

Nurse Assistant

Ages 16 and older

This course will prepare students to take the State of Utah Nursing Assistant Exam and Certification Test. Upon successful completion of this course a student is able to seek employment with various local agencies including home health agencies, doctors' offices, local hospitals, and long term care facilities. This class is a prerequisite for LPN and RN nursing programs. If you are interested in the nursing or medical fields this course is a must. Basic human anatomy and physiology along with nursing care procedures are taught both in the classroom and real world clinical settings. Hands-on skills are an integral part of the curriculum. Time will be spent in the classroom and at local health care facilities. This course provides an employable skill that is recognized within the community. American Heart Association CPR certification is taught which is valid for two years. You must be 16 years of age to take this class. (CTE) Fee varies: textbook, scrubs, state testing fee.

Welding Technician, Entry Level

This class is for students with little or no welding experience. Students will be instructed in safety, Basic Arc Welding (SMAW), Oxy/fuel process, and Gas Metal Arc Welding (GMAW). If students finish the required work, a welding project can be fabricated or they may work on the 300 hour competency based certification. (CTE)

Welding Technician Intermediate Level

(Can be taken for multiple trimesters and multiple periods)

Prerequisite: Successful completion of Intro to Welding. All students are encouraged to enroll in two-hour blocks. This individualized program will prepare students for many American Welding Society (AWS) certifications and for the many high-paying jobs available in the welding industry. Students will learn technical information and skills training in welding all positions on both plate and pipe material. Students who complete the Intro to Welding first semester can sign up for second semester advanced. (CTE)

Welding Advanced Level

(Can be taken for multiple trimesters and multiple periods)

Prerequisite: Advanced Level Welding Technician. Students will learn more advanced skills in the welding processes that will prepare them to apply technical knowledge and skill in the workplace and in project construction. Students will learn and practice knowledge, attitude, skills, and habits required to perform tasks autonomously, including the selection and use of appropriate techniques and equipment with minimum supervision. (CTE)