

## CTE District-wide Course Descriptions

### **Business & Marketing**

#### **Accounting I (10-12)**

**Semester #65201000**

**Prerequisite:**

Credit: .50 CTE or Math Elective

Using accounting concepts learn how and why businesses keep financial records and track business activities. These accounting records generate the information that managers, CEO's, and business owners need to make critical business decisions. Accounting classes are necessary for students considering a business-related college major, owning their own business, or ensuring their own personal finances are in order.

- Generate the information that managers, CEO's, and owner's need to make critical business decisions.
- Recognize the financial tools that provide individuals with the knowledge to successfully manage money.
- Maintain the record (journals, ledgers, and financial statements) needed for critical business decisions

#### **Accounting II (10-12)**

**Semester #65202000**

Pre-requisite: Accounting I

Credit: .50 CTE or Math Elective

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.

Computerized accounting will again be incorporated as an essential tool where resources are available.

#### **Business Communications I (10-12)**

**Semester #60295000**

Prerequisite:

Credit: .50 CTE or LA Elective

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 semester. The overriding goal is to provide students with a solid communication base, so they are able to communicate effectively.

#### **Business Communications II (10-12)**

**Semester #60300000**

Prerequisite: Business Communications I

Credit: .50 CTE or LA Elective

This advanced course can be used to build upon the skills acquired in Business Communication I or used as a stand-alone class that focuses on additional methods of constructive communication skills through professional presentation software. Competency will again be developed in oral, written, nonverbal communication; listening skills will be incorporated throughout the semester. The goal is to provide students with a practical, proficient portfolio consisting of a résumé, job application, and an oral presentation. Students will complete the course with a greater understanding of the impact of technology and the need for effective communication skills to advance in a business career.

**Computer Technology (9-12)****Semester #65209000**

Prerequisite: Word Processing Basics or Ability to Type 25 wpm

Graduation Requirement

This required course provides students with future ready competency in Computer Basics, The Internet and WWW, Productivity Programs, Security and Privacy, Digital Lifestyles, File Management, Email and Ethics. Skills needed for high school, post-secondary education and career success. Computer Tech aligns with industry standards for Work and Excel. Students will demonstrate software skills by creating a cross-curricular project.

**Computer Technology II (10-12)****Semester #65209200**

Prerequisite: Successful completion of Computer Technology

Credit: .50 CTE

Going beyond the required Computer Technology course, computer tech II is for student who enjoy using Microsoft Office programs and want to build advanced skills in Word, Excel and PowerPoint, and also become acquainted with Access. This course prepares students for internships, employment, industry certifications, and Sterling Scholar recognition.

**Desktop Publishing I & II/Yearbook (10-12)****Yearlong #65218000/65218200**

Prerequisite: Spring tryout, Teacher Approval

Credit: 1.0 CTE

This full-year course provides skill development in the electronic procedures of producing and editing publications. Students will create, format, illustrate, design, edit/revise, and print publications. Proofreading, document composition, and communication competencies are also included. The end product is the publication of the Highlander, the Highland High School Yearbook. Students will be expected to attend, photograph, and document various activities during the school year. A lab fee is required.

**IB Economics SL/HL (11-12)****Yearlong #65675300/65675400**

Prerequisite: None

Credit: 1.0 ELE

IB Economics (1st Semester): The purpose of an IB course in micro-economics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

IB Economics (2nd Semester): The purpose of an IB course in macro-economics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price determination, and also develops students' familiarity with economic performance measures, economic growth, and international economics.

**Entrepreneurship (10-12)****Semester #67227500**

Prerequisite: None

Credit: .50 CTE

This course helps student's gain an understanding of the business/marketing principles necessary to start and operate a business. Students will first learn basic economic principles related to business ownership. They will identify and assess common traits and skills found in entrepreneurs, explore business opportunities, and compare the risks and rewards of owning a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, determining feasibility of an idea utilizing research, developing a plan to organize and promote the business and its products/services, and finally, to understand the capital required, the return on investment desired, and the potential for profit.

**Business Management (9-12)****Yearlong #65604000**

Prerequisite: none

Credit: .50 CTE

This is a business course for the serious business student. This course delves deeply into all aspects of operating both large and small businesses. Units on organizations, business environments, accounting and finance, human resource management, operations management and marketing are explored. Participation in DECA is available for interested students. A state competency test will be given at the end of the year. State certificates will be awarded to those scoring 80% or higher.

**Marketing 1 (10-12)****Semester #65221300**

Credit: .50 CTE

Marketing 1 is the foundation for all marketing courses. Students will learn basic principles that lead to careers in marketing, finance, hospitality, and management. Students will be introduced to the world of marketing including the free enterprise system. The seven core functions of marketing will be examined: Marketing Planning, Marketing-Information Management, Pricing, Product/Service Management, Promotion, Channel Management, and Selling. A central focus throughout the course will be the development of soft skills including teamwork, oral communication, written communication, decision-making, and emotional intelligence. Students should have the opportunity to participate in DECA, a student organization that prepares emerging leaders and entrepreneurs. DECA related activities and curriculum can be used as an approved part of all marketing classes.

**Word Processing (9-12) (.50 credit)****Semester #67302000**

Pre-requisite: None

Credit: .50 CTE

This class gives students the opportunity to increase their keyboarding skills, helping them to be successful when they take Computer Technology. In this course basic word processing skills are taught. Skills include keyboarding, editing, and proofreading documents, performing standard file management and creating business documents simulating authentic job environments. They will also develop essential skills in Microsoft Word which will help them complete homework and reports in their other classes.

**Family and Consumers Sciences****Adult Roles and Financial Literacy (11-12)****Yearlong #67238200**

Pre-requisites: none

Credit: .50 General Financial Literacy and .50 CTE

What human doesn't need this course? This class prepares students for life after high school. It helps students understand and cope with personal, family, and social challenges integrated with financial literacy. Emphasis is placed on decision making, to set and implement financial goals, communication skills, self-awareness, sources of family income and the relationship between income and career preparation, crisis management, marriage preparation, savings, investing, parenting, and retirement planning. FCCLA student leadership organization may be an integral part of the course. Students who complete the course fulfill the General Financial Literacy graduation requirement.

Adult Roles &amp; Financial Literacy Concurrent Enrollment #67238400

**Child Development (9-12)****Semester #67237000 or Yearlong #67221000**

Credit: .50 or 1.0 CTE

Boost your knowledge and understanding of human growth and development, as you observe and analyze children's physical, intellectual, emotional, and social growth from the prenatal period through adolescence. Parenting skills are developed as appropriate care, positive guidance techniques, and child related issues are studied. This course will lay the foundation for future careers in child related fields and parenting. At the completion of this course, you will be qualified to take Early Childhood Education I.

**Apparel Design 1 (9-12)****Semester #67191020**

Pre-requisites: none

Credit: .50 CTE

At some point or another, every person who wears clothing has needed a button sewn on, a hem lengthened/shortened, or a rip repaired. Students will learn clothing care techniques and basic repair skills. Throughout this course students will be able to choose patterns in his/her skill range and construct projects which may include a pillowcase, apron, pants, a simple skirt, or quilt. FCCLA student leadership organization may be an integral part of the course.

**Apparel Design 2 (9-12)****Semester #67192020**

Pre-requisites: Clothing I, Sport Sewing I, or Apparel Design 1

Credit: .50 CTE

Once students get an introduction to sewing, they see a whole new world of sewing possibilities they can create. In this class students will choose a commercial pattern in his/her own skill range and construct articles of clothing such as pajamas and a skirt or dress. Fabric selection, pattern alteration, fitting, and creative designing will be explored. Students will develop intermediate sewing skills as they create clothing articles with sleeves, facings, and zippers as well as decorative skills such as ruffles, piping, and embroidery. FCCLA student leadership organization may be an integral part of the course.

**Textile Design Entrepreneurship (10-12)****Semester #67209020**

Pre-requisites: Clothing I, Sport Sewing I, or Apparel Design 1

Credit: .50 CTE

Students will combine their creativity and sewing skills as they create individual projects using design principles as vehicles to further develop their skills. Students will use commercial patterns or create their own variations of a pattern to sew, or they may choose to learn quilting techniques and create their own custom quilt. FCCLA student leadership organization may be an integral part of the course.

**Early Childhood Education I (10-12)****Yearlong #67225600**

Pre-requisite: Child Development

Credit: 1.0 CTE

Experience the joy of creating fun and exciting activities for children who are full of life and love learning! In this hands-on and engaging course, you will plan, evaluate activities, and observe children in a child care lab. You will gain insights into children's development, and your own growth, which will optimize your interactions with children now and in the future. At the conclusion of this course, you will be better prepared to enter a college-level teaching program, and you will have the skills necessary for advanced certifications and immediate employment in child care related jobs. At the completion of this course you will be qualified to take Early Childhood Education II.

**Early Childhood Education II (11-12)****Yearlong #67225700**

Pre-requisite: Early Childhood Ed I

Credit: 1.0 CTE

Launch into teaching young children by expanding your skills in early childhood education. Gain hands-on experience as you work with young children and complete steps to apply for the Child Development Associate (CDA) credential. Your experiences will include: program planning and management, resource and facility management, peer mentoring, supervising recreational and play activities, and preparing, implementing, and evaluating learning experiences for children. At the conclusion of this course, you will be well on your way to completing the CDA credential and will be more highly qualified for immediate employment in child care related jobs.

**Fashion Design Studio (9-12)****Semester #67209200**

Pre-requisites: none

Credit: .50 CTE

Everyone wears clothing and this class is applicable to anyone who wants to learn to dress for success. Students will learn to apply the principles and elements of design to their clothing as they evaluate and learn how to choose styles that will flatter their figure type. Past, present, and future fashions and the parts of a garment and basic textiles information will be taught. Students will use writing skills to discuss these basic fashion elements in a design portfolio over the semester. FCCLA student leadership organization may be an integral part of the course.

**Fashion Design Merchandising (10-12)****Semester #65261020**

Pre-requisites: Fashion Design Studio

Credit: .50 CTE

The Fashion Design Merchandising course is an introductory course that teaches the concepts of entry-level business and fashion fundamentals. The following list of skill standards prepares the student in fashion merchandising with the fundamentals of: basic fashion concepts and marketing terminology, fashion cycles, key components of the fashion industry, retail merchandise categories, fashion promotion and fashion careers. This course will strengthen comprehension of concepts and standards outlined in Sciences, Technology, Engineering and Math (STEM) education. Student leadership and competitive events (FCCLA and/or DECA) may be an integral part of the course

**Foods & Nutrition Sci I (9-12)****Semester #67193020**

Pre-requisite: None

Credit: .50 CTE

Do you like to eat good food? Sign up and develop your cooking skills as you learn the principles of good nutrition and how to use My Plate guidelines for every day eating. Learn how to improve your level of fitness and personal health and well-being.

**Foods & Nutrition Sci II (9-12)****Semester #67194020**

Pre-requisite: Foods &amp; Nutrition I

Credit: .50 CTE

Would you like to cook and eat yummy foods? Would you like to develop awesome knife skills? Channel your inner chef as you make salads, soups, breads pastries, and more. Take control of your health by discovering why food consumption is related to diseases. Learn how nutrition helps maintain a healthy level of fitness for life.

**Food Service/Culinary Arts (11-12)****Yearlong #67219000**

Pre-requisite: Foods I &amp; II

Credit: 1.0 CTE

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.

**Interior Design I (10-12)****Semester #67901000**

Pre-requisite: None

Credit: .50 CTE

Interior design is about spaces and the needs of the people that occupy them. The designer works on the aesthetics, as well as the functional, social, safety and cultural aspects of the space. In this class you will explore your creativity through the elements and principles of design. Learn to consider space allocation, traffic flow and furniture arrangement. Investigate careers. FCCLA may be an integral part of this course.

**Interior Design II (11-12)****Semester #67905000**

Pre-requisite: Interior Design I

Credit: .50 CTE

Location: Highland/West High

This course provides students the opportunity to develop skills in applying the elements and principles of design to interiors. Projects are integrated throughout the course to provide applications as the students study: architecture, furniture styles and constructions, surface treatments and backgrounds, design and function of space and lighting. Design skills may be developed through computer projects. Residential, commercial and school interior design applications may also be explored as well as careers. FCCLA may be an integral part of this course.

**Advanced Interior Design (11-12)****Semester #67904000**

Pre-requisite: Interior Design I

Credit: .50 CTE

Location: East High

This course provides students the opportunity to develop skills in applying the elements and principles of design to interiors. Projects are integrated throughout the course to provide applications as the students study: architecture, furniture styles and constructions, surface treatments and backgrounds, design and function of space and lighting. Design skills may be developed through computer projects. Residential, commercial and school interior design applications may also be explored as well as careers. FCCLA may be an integral part of this course.

**ProStart I (11-12)****Yearlong #67190000**

Pre-requisite: Foods &amp; Nutrition I and II

Credit: 1.0 CTE

This basic course from the National Restaurant Association introduces students into the world of professional cooking, culinary arts and hospitality management. Basic communication skills, safety and sanitation, food preparation, meal planning, and other topics are taught in this beginning course. FCCLA may be an integral part of this course. Juniors and Seniors may take this course for SLCC college credit. A one-time \$40 application fee applies.

**ProStart II (11-12)****Yearlong #67190400**

Pre-requisite: ProStart I

Credit: 1.0 CTE

Students will continue to be trained for employment in restaurants. The basic skills taught in ProStart I will be reviewed and additional skills such as customer relations, accounting procedures, and more advanced cooking and food preparation skills will be taught. FCCLA may be an integral part of this course.

**Sports Prod Design 1 (9-12)****Semester #67195020**

Pre-requisites: none

Credit: .50 CTE

At some point or another, every person who wears clothing has needed a button sewn on, a hem lengthened/shortened, or a rip repaired. This course teaches students basic construction skills, but is specialized to concentrate on specific fabrics or projects such as outdoor or sports clothing. The basic standards, objectives, and indicators listed in Clothing I will be taught in this course. Focus will be on sewing beginning projects and may include banded pillowcase, hat, boxers, book bag and sweatshirt. FCCLA student leadership organization may be an integral part of the course.

### **Sports Prod Design 2 (9-12)**

**Semester #67196020**

Pre-requisites: Clothing I, Sports Prod 1, Apparel Design 1

Credit: .50 CTE

Once students get an introduction to sewing, they see a whole new world of sewing possibilities they can create. This course teaches students intermediate construction skills, but it is specialized to concentrate on specific fabrics or projects such as outdoor or sports clothing. The intermediate standards, objectives, and indicators listed in Clothing II will be taught in this course. FCCLA student leadership organization may be an integral part of the course.

## **Health Sciences**

### **Intro to Health Science (9-12)**

**Semester #67929000**

Credit: .50 CTE

This semester course is designed to prepare students with an interest in a health care career for further study. We'll explore career possibilities in health care and the education they'll need to compete in the job market. This course covers basic anatomy and physiology, medical terms, medical ethics, and diseases and disorders, preparing students for more advanced information in Medical Anatomy & Physiology.

Note: Some schools offer the Introduction to Health Science integrated with general Health, in an entire year course (West High #67929200)

### **Medical Terminology (9-12)**

**Semester #67630000**

Pre-requisite: Intro to Health Science

Credit: .50 CTE

This course provides students with an in-depth study of medical terminology. It utilizes the Dean Vaughn Program which has been highly effective in teaching students medical terms in a way that can be easily remembered. The course will focus on learning prefixes and suffixes and building words associated with the human body, medicine and healthcare industries. It is designed to prepare students for college medical classes and for employment in the healthcare professions.

Concurrent enrollment is available through SLCC (tuition fee is required).

### **Emergency Careers FS (9-12)**

**Semester #67942100**

Credit: 1.0 CTE (Double Block semester course)

This half-year course serves as an introduction into Emergency Careers. This is the first instructional course in a sequence of courses that prepares individuals with knowledge of skills used within firefighting. This course is a general introduction to career possibilities within emergency services. It includes instruction in how to get started in an emergency career, creating and delivering public presentations, healthy living, communication skills, CPR certification, and CERT (Community Emergency Response Team) completion.

### **Medical Anatomy & Physiology (10-12)**

**Yearlong #67939000**

Pre-requisite: *It is highly suggested that Medical Terminology be taken before or concurrently with this course.*

Credit: 1.0 CTE

This course is designed for students who wish to pursue medical and health related careers or for those who wish to gain a better understanding of the human body that can be applied to everyday life. The course focuses on Human biology and incorporates dissections, labs and other hands-on activities. Areas of study include basic body chemistry, tissues, anatomy and physiology of all body systems, diseases and medical terminology. Instruction includes intermediate anatomy and physiology, diseases and disorders, and medical ethics. The class is designed to prepare students for a variety of health care programs as well as future employment in a health care field.

**BioTechnology** (Grades 11-12)**Yearlong #67928000**

Pre-requisite: Biology or Chemistry

Credit: 1.0 CTE or Science Elective

Biotechnology is a fun filled, exciting, hands-on class that explores the labs and technology of biology. It is designed as an introduction to the basics of lab work and also to create an awareness of career possibilities in the field of Biotechnology. This course provides basic laboratory skills and a solid foundation for success in future high school or university lab experiences. The curriculum covers a range of material from performing basic measuring labs to accomplishing complex genetics labs to evaluating students' fitness; there is something here for everyone.

**Exercise Science Sports Medicine** (Grades 11-12)**Yearlong #68801000**

Pre-requisite: Medical Anatomy &amp; Physiology

Credit: 1.0 CTE

- Do you want to get a jump start on an exciting career in sports medicine? The course Exercise Science – Sports Medicine is a course where you get hands-on experience working with high school athletes on and off the field (in all venues of the sports arena). Students in this class have the opportunity to work on the sidelines during games, experience some of the different modalities used to treat athletes, help prep and tape athletes for games and interact with different professionals from various fields.

- Initial training in class includes learning athletic taping jobs, proper techniques for icing, blood management, static stretching all in preparation to working with athletes in game and practice situations. Additional classroom learning involves basic anatomy and physiology and other learning units, which include things such as: performance enhancement, sports nutrition, basic knowledge on injuries and therapeutic exercise and modalities. This class is a great addition to the schedule of any athlete or anyone interested in a career in medicine!

**Advanced Health Science HL** (11-12)**Yearlong #67950500**

Prerequisite: Medical Anatomy &amp; Physiology, Teacher Approval Credit: 1.0 CTE

Location: Highland High and West High

Credit: 1.0 CTE or Science Elective

Advanced Health Science HL is a course designed to study the health sciences and health professions through medical case studies. The course focuses on patient case histories, the disease processes, and the health professionals who work as a team to diagnose and treat disease. Each case study focuses on a different disease and different body system. The case studies have an on-line component. Students are assigned an Anatomy in Clay model which allows the student to build the human body using clay, expanding the student's understanding of the human body.

**Advanced Health Science I (HPA East)** (11)**Yearlong #67950200/67950400**

Pre-requisite: Medical Anatomy &amp; Physiology &amp; Medical Terminology

Credit: 1.0 CTE or Science Elective

Location: CTC Full Year

Classes are held at the CTC and the U of U Health Sciences Building and are taught by University Professors. Students in this course are typically headed to a career in healthcare. This course articulates with the U of U and provides concurrent enrollment college credit for the students at a cost of \$100. This is not the same at SLCC concurrent credit. Topics may include Health Occupations Professional Essentials, Technology Enhanced Anatomy/Physiology, Case Studies, Health Seminar Practicum, or other curricula that provides students with an advanced experience in the health science field



**Health Professions Academy Internship** (12)**Semester #67320000**

Pre-requisite: Advanced Health Science I (HPA)

Credit: .50 Elective

This is the capstone course for the Health Professions Academy. One semester will be the students participating in an internship at a local healthcare facility with healthcare professionals as mentors. Students will complete an in school class portion of the internship program along with 48 to 56 hours at their internship site placement (approx. 4 hours per week). Student must have their own transportation to the placement site.

**Nurse Assistant** (11-12) (1.0 )**Yearlong #67933000**

Pre-requisite: Medical Anatomy &amp; Physiology &amp; Medical Terminology

Location: CTC Full Year

Credit: 1.0 CTE

This course teaches terminology, human anatomy, understanding of diseases, therapeutic communication skills, meeting the needs of chronically ill. Instruction that prepares individuals to perform routine nursing-related services to patients in hospitals or long-term care facilities, under the training and supervision of a registered nurse or licensed practical nurse. An industry license as a CAN is the ultimate goal of this course.

**Medical Assisting** (Grade 12 only)**Yearlong #67936200**

Prerequisite: MAP&amp; Medical Terminology and official transcripts, see CTE Coordinator

Location: CTC Classes are daily Double Block 1-4 or 5-8 periods

Graduation Credit: 2.0 CTE

This course prepares students to take the state board of education test for Utah Endorsed Medical Assistant Certification. This class covers skills needed to work in a physician's office. Medical records management, Phlebotomy, Telephone triage, Minor surgical procedures, injections, Billing and Coding, IV Placement, and much more are covered in this fun and engaging class. Students meet daily Monday-Friday from 1:15-4:00, students need to provide transportation home from the CTC. \$75 materials fee.

**EMT PREP Patient Assessment (Grade 11-12)****Semester #67942200**

Pre-requisite: Medical Anatomy &amp; Physiology &amp; Medical Terminology (cannot be taken at the same time as EMT PREP)

Location: CTC

Credit: .50 CTE

A preparatory course focused on conducting a detailed emergency patient assessment, with an emphasis on learning how to obtain vital signs, apply hands on skills, and application of First Aid and CPR certifications earned in the pre-requisite course of Intro to Emergency Careers..

**EMT (Grade 12 only)****Semester Double Block #67942200**

Pre-requisite: Medical Anatomy &amp; Physiology &amp; Medical Terminology

Location: CTC

Credit: 1.0 CTE

Must turn 18 within 180 days of completing course

An instructional program that prepares individuals to perform initial medical diagnosis, treatment, and comprehensive care in medical crises, under the general supervision of a coordinating physician. Includes instruction in all aspects of basic health care; disease, disorder, and injury symptomology and diagnosis; emergency medical treatment procedures for various injuries and disease outbreaks; basic pharmacology; anesthetics; intravenous and other drug administration procedures; obstetrics procedures; basic surgical techniques; emergency medical equipment operation and maintenance; special care of patients exposed to heat, cold, radiation, or contagious disease; and administrative aspects of emergency medicine. Programs may include emergency vehicle operation and patient transportation procedures, depending on level of training.

## *Information Technology*

### **Explore Computer Science (9-12)**

**Semester #65261800**

Pre-requisite: none

Credit: .50

Exploring Computer Science 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.

### **Digital Media I (10-12)**

**Yearlong #67197200**

Pre-requisite: None

Credit: 1.0 CTE

See it, hear it and experience "digital media" while exploring new computer software. Design your own 2D and 3D graphics, animation, digital sound, digital video and photography as well as interactive media "APPS". You will be surprised at the number of industries that need digital media skills and talents.

### **Digital Media II (11-12)**

**Yearlong #67197300**

Pre-requisite: Digital Media I

Credit: 1.0 CTE

Here is your chance to expand your knowledge of Digital Media I. You will operate like a professional while doing hands-on training, work side by side with classmates as well as individually. Be a key part of a team as you design and develop a variety of "digital media" with 2D and 3D graphics, animation, sound, video/photography, and interactive media "APPS". Prepare now for professional employment in this world-wide industry.

### **Gaming Development (9-12)**

**Semester #65264000**

Pre-requisite: none

Credit: .50 CTE This course is designed to provide students with knowledge and project based experience of fundamental gaming development concepts relating to STEM. These concepts include game design, scripting, creation of digital assets, graphic resources, animations, understanding hardware, problem solving, critical thinking, collaboration, and project management.

### **Mobile App Develop (9-12)**

**Semester #65265000**

Pre-requisite: none

Credit: .50 CTE

Was Mobile Development Fundamentals

This course is designed to teach skills to develop apps for phones, tablets, and other devices that run on a variety of operating system.

**Web Development I/II (10-12)****Yearlong #65229000**

Prerequisite: Computer Tech

Credit: 1.0 CTE

This course guides students in a project-based environment in the development of up-to-date concepts and skills used to produce of today's websites across multiple platforms. Students will learn the fundamentals of how the Internet works. They will learn the basic building blocks of the World Wide Web, XHTML, CSS and JavaScript. They will complete projects and web portfolios. Students will also assist in the maintenance of the school website, under the direction of the instructor.

**3D Graphics (10-12)****Semester #67419300**

Pre-requisite: Computer Tech and Digital Media I

Location: CTC

Credit: .50 CTE

3D graphics students will learn the techniques of computer generated imaging. These skills are used in video game design and specials effects in films. A history of animation is also included. Career opportunities in 3D graphics and animation include entertainment (gaming/movies) health sciences, and architecture, aerospace, advertising and law enforcement. Students must take 3D Animation as this program is yearlong.

**3D Animation (10-12)****Semester #67419200**

Pre-requisite: 3D Graphics, Digital Media I and Drawing

Location: CTC

Credit: .50 CTE

3D animation students continue the processes of computer generated imaging. These skills are used in video game design and specials effects in films. 3D Animation put the characters and objects produced in to motion. A history of animation is also included. Career opportunities in 3D graphics and animation include entertainment (gaming/movies) health sciences, and architecture, aerospace, advertising

**Comp TIA A+ (9-12)****Yearlong #67291000**

Pre-requisite: None

Location: CTC

Credit: 1.0 CTE

A+ Certification is a testing program sponsored by CompTIA that certifies the competency of entry-level (6 months experience) service technicians in the computer industry. Anyone who wants an internationally-recognized credential as a competent entry-level (6 months experience) computer service professional can take the A+ examination. The program is backed by major computer hardware and software vendors, distributors, resellers and publications. Earning A+ certification means that the individual possesses the knowledge, skills, and customer relations skills essential for a successful entry-level (6 months experience) computer service technician, as defined by experts from companies across the industry.

**Comp TIA Network + (10-12)****Yearlong #67292000**

Pre-requisite: Comp TIA A+

Location: CTC

Credit: 1.0 CTE

Network+ is a testing program by the Computing Technology Industry Association (CompTIA) that certifies the knowledge of networking technicians with 18-24 months experience in the IT industry. Earning the Network+ certification means that the candidate possesses the knowledge needed to configure and install the TCP/IP client. This exam covers a wide range of vendor and product neutral networking technologies

**Computer Programming IA** (9-12)

Yearlong #6527400

Prerequisites: Algebra I, Word Proc Basics or type 35 WPM, Computer Technology

Credit: 1.0 CTE

Skill Test: #820 Computer Programming 1A (January)

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 Delphi, C++, C#, Java, Python, or VB.

**Computer Programming IB** (2<sup>nd</sup> semester)

Prerequisites: Computer Programming IA, Algebra I

Skill Test: #824 Computer Programming IB (May)

This is an intermediate class in computer programming/software engineering and applications. It reviews and builds on the concepts introduced in computer Programming IA. Introduces students to more complex data structures and their uses, including sequential files, arrays, and classes. Students will learn to create more powerful programs. The skills test covers skills learned in Computer Programming IA & IB (Java)

**Computer Programming II** (10-12)

Yearlong #65278000

Prerequisites: Algebra I, Keyboarding Proficiency, Computer Technology, Computer Programming IA &amp; IB

Credit: 1.0 CTE

Skill Test: 835 Computer Programming II (Java)

This is an advanced course in computer programming/software engineering and applications. It reviews and builds on the concepts introduced in CP I. It Introduces students to dynamic allocation of data, advanced utilization of classes, advanced GUI techniques, and advanced applications of recursion through the application of mathematical concepts.

***Technology Education*****Physics With Technology I** (9-12)

Yearlong #67947000

Prerequisites: Algebra 1 or higher

Credit: 1.0 CTE or Science Elective

Fee: \$10.00 per semester

This course covers the topics of matter, motion, and energy through hands-on, practical applications of the main concepts to mechanical, fluid, thermal, and electrical systems. It parallels the Conceptual Physics curriculum but is more directly for students who desire a background course for future science or technology-related careers. Students will also have the opportunity to practice their math skills in real life situations. A \$10 lab fee is required.

**Electronics 1** (9-12)

Semester #67259020

Pre-requisite: Secondary Math 1

Credit: .50 CTE

The first in a sequence of courses that prepares individuals to apply technical knowledge and skills to assemble and operate electrical/electronic equipment used in business, industry, and manufacturing. Instruction includes training in safety, electrical theory, parallel and series circuits, Kirchoff's Laws, schematic diagrams, electrical components, and soldering.

**Electronics 2** (9-12)

Semester #67260220

Pre-requisite: Electronics 1

Credit: .50 CTE

The second in a sequence of courses that prepares individuals to apply technical knowledge and skills to assemble and operate electrical/electronic equipment used in business, industry, and

manufacturing. Instruction includes training in safety, numbering systems, Boolean algebra, logic diagrams, digital devices, and combinational logic circuits.

### **Electronics 3 (10-12)**

**Semester #67260420**

Pre-requisite: Electronics 1 and 2

Credit: .50 CTE

The third in a sequence of courses that prepares individuals to apply technical knowledge and skills to assemble and operate electrical/electronic equipment used in business, industry, and manufacturing. Instruction includes training in safety and passive AC circuits with topics addressing waveforms, transformers, capacitors, inductors, reactance, impedance and resonance.

### **Engineering Principles 1 (9-12)**

**Semester #67273100**

Pre-requisite: Secondary Math 1

Credit: .50 CTE

The first in a sequence of “hands on” courses that tie observations and concepts common to a variety of different engineering disciplines in order to develop a better understanding of basic math and science principles used in engineering. By utilizing problem-solving skills in a laboratory environment, students will develop skills and attitudes that impact and expand occupational opportunities in engineering. This is a foundation course in the Engineering Pathway.

### **Engineering Principles 2 (9-12)**

**Semester #67276200**

Pre-requisite: Electronics 1

Credit: .50 CTE

The second in a sequence of “hands on” courses that tie observations and concepts common to a variety of different engineering disciplines in order to develop a better understanding of basic math and science principles used in engineering. By utilizing problem-solving skills in a laboratory environment, students will develop skills and attitudes that impact and expand occupational opportunities in engineering. This is a foundation course in the Engineering Pathway.

## **Skilled & Technical Sciences**

### ***Communication***

#### ***TV & Radio Broadcasting***

#### **Television Broadcasting 1 and 2 (9-12)**

**Semester 1 #67272200**

**Semester 2 #67272300**

Prerequisite: None

Credit: .50 CTE

Experience a wide range of creativity utilizing skills in Technical areas of camera operation, audio recording, lighting systems, production, studio operations, control room operations, visual effects, graphic design and copyright laws.

#### **East TV Broadcasting 2 (11-12)**

**Yearlong #67272400**

Prerequisite: Television Broadcasting I/II and Production I/II or Teacher Approval

Credit: 1.0 CTE

Express your creativity as you develop and produce live television news shows. Building on skills gained from Television Broadcasting I & II, you will be involved in a workplace-like environment as you bring the news to the school through East TV. Additional instruction in news production coupled with classroom experience makes this the gateway class to the industry. Juniors and Seniors can earn SLCC Concurrent College Credit. See Teacher for details in August.

**West TV Broadcasting 2****Yearlong #67272400**

Prerequisite: Television Broadcasting I

Credit: 1.0 CTE

Express your creativity as you develop and produce live television news shows. Building on skills gained from Television Broadcasting I, you will be involved in a workplace-like environment as you bring the news to the school through West TV. Additional instruction in news production coupled with classroom experience makes this the gateway class to the industry.

**Highland TV Broadcasting 2****Yearlong #67272400**

Prerequisite: Television Broadcasting I

Credit: 1.0 CTE

Express your creativity as you develop and produce live television news shows. Building on skills gained from Television Broadcasting I, you will be involved in a workplace-like environment as you bring the news to the school through Highland TV. Additional instruction in news production coupled with classroom experience makes this the gateway class to the industry.

**Radio Broadcasting I (9-12)****Yearlong #67270400**

Prerequisite: None

Credit for Graduation: 1.0 CTE

Radio Broadcasting focuses on the exciting field of the Radio Media world. Selecting sources for programming, expressing creativity through media selection, creating quality broadcasts, and assisting in the building of East's four-hour radio broadcast program. Students should be ready to motivate others to create original songs, music tracks, and short radio programs.

**Video Production 1 (10-12)****1<sup>st</sup> Semester #67270300 or Yearlong #67270320**

Pre-requisite: TV Broadcasting 1 (East and West)

Take this class and learn all the ins and outs of project development, pre-production, production, and post-production with hands-on assignments including the use of cameras and professional editing software to create your very own video projects

**Video Production 2 (10-12)****2<sup>nd</sup> Semester # 67270600**

Pre-requisite: Video Production 1

East High

Further express your creativity as you build upon skills gained from Video/Film Production I. Delve more deeply into the areas of camera operation, audio, lighting systems, project development, pre-production, production, post-production, visual effects, graphics, and copyright laws. Students will be studying the work of accomplished filmmakers as well as producing several original projects.

**Video Production 2 (10-12)****Yearlong # 67270700**

Pre-requisite: Video Production I

Highland/West High

Further express your creativity as you build upon skills gained from Video/Film Production I. Delve more deeply into the areas of camera operation, audio, lighting systems, project development, pre-production, production, post-production, visual effects, graphics, and copyright laws. Students will be studying the work of accomplished filmmakers as well as producing several original projects.

## ***Mechanics & Repairs***

### **Introduction to Automotive (10-12)**

**Yearlong #67230400**

Prerequisite: None

Credit: 1.0 CTE

This course prepares students to maintain and service all types of automobiles in a rapidly changing industry. Instruction focuses on shop safety, basic technical skills, and a full systems approach to maintaining modern automobiles and preparation for higher level auto classes, entry-level employment, and further educational goals.

Learn and navigate through the basic systems of the Automobile

Emphasis in the following areas:

1. Safety and MDSD
2. Tools & Equipment
3. Tires, Suspension, Steering
4. Brakes and Hydraulic systems
5. Electrical systems
6. Engine & Drive train

### **ASE Brakes (Auto 2) (10-12)**

**1<sup>st</sup> Semester #67792000**

Prerequisite: Intro to Auto or a Senior

Credit: .50 CTE

This course prepares students to maintain and service the braking system on all types of automobiles. Analyze, diagnose, maintain, and repair basic brake system malfunctions and components. Lab work is based on the NATEF task list. Employability and work habits are emphasized. Students will prepare for ASE certification, entry-level employment, and further education. This is a 1 Semester course in combination with ASE Steering/Suspension (Auto 2)

- Describe, Reinforce and Review the areas covered in Intro to Automotive
- Introduce Basic Diagnosis and Problem Solving skills
- Utilization of the automotive task lists
- Individual work
- Introduce Project Based Learning model

### **ASE Steering/Suspension (Auto 2) (10-12)**

**2<sup>nd</sup> Semester #67798000**

Prerequisite: Intro to Auto or a Senior

Credit: .50 CTE

This course prepares students to maintain and service the steering and suspension systems on all types of automobiles. Analyze, diagnose, maintain, and repair basic steering and suspension malfunctions and components. Lab work is based on the NATEF task list. Employability and work habits are emphasized. Students will prepare for ASE certification, entry-level employment, and further education. This is a 1 Semester course in combination with ASE Brakes (Auto 2)

- Describe, Reinforce and Review the areas covered in Intro to Automotive
- Introduce Basic Diagnosis and Problem Solving skills
- Utilization of the automotive task lists
- Individual work
- Introduce Project Based Learning model

### **ASE Electrical/Electronics (Auto 3) (11-12)**

**Yearlong #67794000**

Prerequisite: Auto 2 (Steering/Suspension, Brakes)

Credit: 1.0 CTE

This course prepares students to analyze, diagnose, maintain, and repair electrical systems on modern automobiles using advanced diagnostic and repair equipment. Employability and work habits are emphasized as students are introduced to industry practices through field studies, internships, and SkillsUSA. Students will prepare for ASE certification, entry-level employment, and

post-secondary education. Classroom and lab activities are based on the NATEF task list. This is a full year course in combination with ASE Engine Performance.

Project Based Learning- Vehicle Projects (Group Model)

- Reinforce Task lists
- Develop Leadership and Communication Skills
- Demonstrate valuable Employment Skills/Work Ethics
- Learn Goal Setting

Learn the importance of Deadlines and how to work towards a Deadline

### **ASE Engine Performance (Auto 3) (11-12)**

**Yearlong #67796000**

Prerequisite : Auto 2 (Steering/Suspension, Brakes)

Credit: 1.0 CTE

This course prepares students to analyze, diagnose, maintain, and repair engine performance systems on modern automobiles using advanced diagnostic and repair equipment. Employability and work habits are emphasized as students are introduced to industry practices through field studies, internships, and SkillsUSA. Students will prepare for ASE certification, entry-level employment, and post-secondary education. Classroom and lab activities are based on the NATEF task list. This is a full year course in combination with ASE Electrical/Electronics.

Project Based Learning- Vehicle Projects (Group Model)

- Reinforce Task lists
- Develop Leadership and Communication Skills
- Demonstrate valuable Employment Skills/Work Ethics
- Learn Goal Setting

Learn the importance of Deadlines and how to work towards a Deadline

### **Small Engine Repair (9-12)**

**Semester #67246020**

Prerequisite: none

Credit: .50 CTE

Meets Graduation Requirement: Career & Technical Education

A hands-on experience that demonstrates mechanical concepts and procedures, preparing students to diagnose, troubleshoot, tune-up, repair, disassemble and reassemble small internal combustion engines used on motorcycles, scooters, ATV's, go-carts, mo-peds, lawnmowers, leaf blowers, weed trimmers, chainsaws and more. **Lab fee may be required**

### **Auto Collision Refinishing & Painting (Advanced) (10-12)**

**Yearlong #67235300**

Pre-requisite: Auto Collision Repair NS (Beginning)

Credit: 1.0 CTE

This is a course that prepares individuals to repair automotive, uni-bodies, fenders, and frames of automobiles. Instruction includes training in refinishing and painting. Work ethics and productivity are an integral part of the classroom and laboratory activities of this program. Prerequisite: Collision Non-Structural and Structural Repair.

### **Auto Collision Non-Structural/Structural Repair (Beginning) (10-12)** **Yearlong #67234700**

Pre-requisite: None

Credit: 1.0 CTE

This is a course that prepares individuals to repair automotive, uni-bodies, fenders, and frames of automobiles. Instruction includes training in non-structural and structural repairs. Work ethics and productivity are an integral part of the classroom and laboratory activities of this program.



## ***Precision Productions***

### **Cabinetmaking/Millwork**

#### **Woodworking I (9-12)**

**Semester #67288000**

Pre-requisite: None

Credit: .50 CTE

Woodworking I is the first instructional course in a sequence that prepares students to develop the technical knowledge and skills necessary to create and design, measure and layout a wood project from a scale drawing using a bill of materials/plan of procedure, mill and assemble projects, sand and apply finish, and install hardware to complete a wood project. This course also stresses the safe operation of a variety of hand tools, power tools and machinery used by the professionals in the woodworking industry.

#### **Woodworking I Year (9-12)**

**Yearlong #67281000**

Pre-requisite: None

Credit: 1.0 CTE

Woodworking I/II –the first semester of this instructional course in a sequence that prepares students to develop the technical knowledge and skills necessary to create and design, measure and layout a wood project from a scale drawing using a bill of materials/plan of procedure, mill and assemble projects, sand and apply finish, and install hardware to complete a wood project. This course also stresses the safe operation of a variety of hand tools, power tools and machinery used by the professionals in the woodworking industry. This course continues on for the entire year, with students finishing/completing more complex wood projects. Students must have completed woodworking I to continue into second semester of woodworking II.

#### **Furniture Design & Manufacturing (10-12)**

**Yearlong #67289000**

Pre-requisite: Woodworking I

Credit: 1.0 CTE

This instructional course prepares students to utilize the technical knowledge and skills developed in woodworking II to design, construct and finish furniture projects. Students will be using more elaborate woodworking techniques and wood components in the assembly and repair of cabinets and furniture. This course also stresses the safe use of hand tools, power tools and machinery used by the professionals in the woodworking industry.

#### **Cabinetmaking (11-12)**

**Yearlong #67285000**

Pre-requisite: Furniture Design & Manufacturing

Credit: 1.0 CTE

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

## **Graphic Communications**

### **Introduction To Graphic Communications (9-12)**

**Semester #67265000**

Credit: .50 CTE

Learn to create, produce and reproduce visual graphics that communicate to an audience. Print various projects including T-shirt, notepads, and stickers. Develop the same design, image manipulation, and printing technologies as professional designers. Instruction includes the use of industry standard graphics software with the Adobe Creative Suit. Labs are equipped with the latest iMac Intel-based computers with support scanners, black and white and color printers. Lab fee \$25.  
Course Highlights:

- Visualize, design, and produce T-shirts, notepads, and stickers.
- Apply effective principles and techniques to project designs.
- Use the same design, image manipulation, and printing technologies as professional designers.

### **Intermediate Graphic Communications (10-12)**

**Yearlong #67420200**

Pre-requisite: Intro to Graphic Communications

Credit: 1.0 CTE

Learn to create, produce and reproduce visual graphics that communicate to an audience. Print various multi-color projects including T-shirt, notepads, and stickers. Use the same design, image manipulation, and printing technologies as professional designers. Instruction includes the use of industry standard graphics software with the Adobe Creative Suit. Labs are equipped with the latest iMac Intel-based computers with support scanners, black and white and color printers. Lab fee \$25 per semester.

Course Highlights

- Visualize, design, and produce multi-color T-shirts, notepads, and stickers.
- Apply effective principles and techniques to project designs.
- Use the same design, image manipulation, and printing technologies as professional designers.

### **Introduction To Screen Printing (11-12)**

**Yearlong #67254000**

Pre-requisite: Intro & Intermediate Graphics

Credit: 1.0 CTE

Create, produce and reproduce visual graphics that communicate to an audience. Develop the knowledge and skills relative to the graphic design & screen-printing industries. Includes instruction and hands-on experiences in design & 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. Instruction includes the use of industry standard graphics software with the Adobe Creative Suit. Labs are equipped with the latest iMac Intel-based computers with support scanners, black and white and color printers. Course should be taken the same time as Advanced Graphic Communications. Course qualifies as rigorous course offering for senior year. Lab fee \$25 per semester. 3.0 hours SLCC Credit.

Course Highlights:

- Receive college credit.
- Take Your Creativity To A New Level
- Printing Your Art Work On Variety Of Materials
- Use the Latest Software!

### **Advanced Graphic Communications (11-12)**

**Yearlong #67267000**

Pre-requisite: Intro & Intermediate Graphics

Credit: 1.0 CTE

Create, produce and reproduce visual graphics that communicate to an audience. Develop knowledge and skills relative to the graphic design & printing industries. Apply effective principles and techniques to project designs. Print various projects for yourself and customers. Provides an overview of the publishing and print industries on the commercial level. Instruction includes the use of industry standard graphics software with the Adobe Creative Suit. Labs are equipped with the latest iMac Intel-based computers with support scanners, black and white and color printers.

Prerequisite: Intermediate Graphic Communications. Course should be taken the same time as Introduction To Screen Printing. Course qualifies as rigorous course offering for senior year.

Lab fee \$25 per semester. 3 hours SLCC Credit.

Course Highlights:

- Receive college credit.
- Experience professional equipment and process, thru field trips and live projects.
- Take Your Creativity To A New Level
- Use the Latest Software!

### **Digital File Prep/Yearbook (10-12)**

**Yearlong #69295000**

Pre-requisite: By Application/Teacher Approval

Credit: 1.0 CTE

Create and produce a yearbook that communicates and provides memory for your classmates for years. Develop knowledge and skills relative to the graphic design & printing industries. Includes: instruction and hands-on experiences in copy writing, photography, design, and layout. Instruction includes the use of industry standard graphics software with the Adobe Creative Suit. Labs are equipped with the latest iMac Intel-based computers with support scanners, black and white and color printers. 3 Hours SLCC Credit. See Mr. Slade for application or more information.

Course Highlights:

- Produce a yearbook that students will cherish for years.
- Take Your Creativity To A New Level
- Use the Latest Software!

### **Welding**

#### **Welding-Entry Level (9-12)**

**Yearlong #67249200**

Pre-requisite: none

Credit: 1.0 CTE

Students will learn basic welding skills in Gas Metal Arc Welding, Shielded Metal Arc Welding and Oxy-fuel Cutting that will prepare them to apply technical knowledge and skill in the workplace. Students will learn and practice knowledge, attitude, skills and habits required for performing job tasks safely and efficiently.

#### **Welding-Intermediate Level (10-12)**

**Yearlong #67249300**

Pre-requisite: Welding Entry Level

Credit: 1.0 CTE

Students will learn intermediate welding skills in Flux Cored Arc Welding, Gas Tungsten Arc Welding, Air Carbon Arc Cutting and Plasma Cutting 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 for performing tasks, including the selection and use of appropriate techniques and equipment with minimum supervision.

#### **Welding-Advanced Level (11-12)**

**Yearlong #67249400**

Pre-requisite: Welding Intermediate

Credit: 1.0 CTE

Students will learn more advanced skills in, GMAW, SMAW, FCAW, GTAW, CAC-A, Oxy-fuel Cutting and Robotic Plasma Cutting 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, including the selection and use of appropriate techniques and equipment with minimum supervision.

### ***Personal Services***

#### **Barbering I (10-12)**

**Semester Double Block #67140000**

Pre-requisite: None

Credit: 1.0 CTE

This course is designed to teach students basic barbering techniques & principles in both theory and practical work. Students will learn basic women's and men's haircutting techniques, styling, shaving, & small business practices.

**Barbering II** (11-12)**Semester Double Block # 67142000**

Pre-requisite: Barbering I

Credit: 1.0 CTE

Is a continuation course & students must complete Barbering 1 with 75% or higher skills passed off. Student will be taught through daily lecture/theory work, practical experience, creative demonstrations & possible field trips. No kit fee required & all supplies will be provided. Completed instruction qualifies the student for licensing examinations in Utah.

**Nail Technician A** (10-12)**Semester Double Block #67180200**

Pre-requisite: None

Credit: 1.0 CTE

Nail Technology is one of the fastest growing, most creative, rewarding and high paying professions in cosmetology today. An extensive look at the art, science, hygiene and personal service on the manicure and nail enhancements business. Students will design, sculpt and apply variations of nail enhancements. Salon business management, professional job skills and life skills will also be a part of this course.

A combination of these 2 courses (Nail Tech A and B) will provide 50 hours of the 300 hours required towards your state licensure, along with a \$400 discount on tuition at Twin Shears Academy. No kit fee required and all supplies provided.

**Nail Technician B** (11-12)**Semester Double Block #67178260**

Pre-requisite: Nail Tech A

Credit: 1.0 CTE

A continuation or Nail Tech A with enhanced training in all areas including an extensive look at the art, science, hygiene and personal service on the manicure and nail enhancements business. Students will design, sculpt and apply variations of nail enhancements. Salon business management, professional job skills and life skills will also be a part of this course.

A combination of these 2 courses (Nail Tech A & B) will provide 50 hours of the 300 hours required towards your state licensure, along with a \$400 discount on tuition at Twin Shears Academy. No kit fee required and all supplies provided.

**Culinary Arts/Chef Prep** (11-12)**Yearlong Daily #67215300**

Pre-requisite: Foods &amp; Nutrition I &amp; II

Credit: 2.0 CTE

A program with a sequence of courses that prepares individuals to provide professional chef and related cooking services in restaurants and other commercial food establishments. Includes instruction in planning recipes and menus; preparing and cooking food; supervising and training kitchen assistants; and managing food supplies, kitchen resources, and the aesthetics of food preparation. Mastery of a wide variety of culinary techniques is required. The state task listserv as a basis for the program.

***Protective Services*****Emergency Careers FS** (9-12)**Semester #67942100**

Credit: 1.0 CTE (Double Block semester course)

This half-year course serves as an introduction into Emergency Careers. This is the first instructional course in a sequence of courses that prepares individuals with knowledge of skills used within firefighting. This course is a general introduction to career possibilities within emergency services. It includes instruction in how to get started in an emergency career, creating and delivering public presentations, healthy living, communication skills, CPR certification, and CERT (Community Emergency Response Team) completion.

**Law Enforcement** (9-12)**Semester #63232000**

Pre-requisite: none

Credit: .50 CTE

This course prepares individuals to perform the duties of police and public security officers, including patrol and investigative activities, traffic control, crowd control, public relations, witness interviewing, evidence collection and management, court procedures and the law in general. Basic crime prevention methods, weapon and equipment operation, equipment maintenance, and other routine law enforcement responsibilities are also included.

**Law Enforcement Concurrent Enrollment** (11-12)**Semester #63620000**

Pre-requisite: Law Enforcement

Credit: .50 CTE

This concurrent course offers both high school and college credit. Students will learn to identify the police role in society, the causes of crime, the laws of arrest and search and seizure, correct procedures for handling evidence and career opportunities in the law enforcement fields. This course follows the SLCC Curriculum. A one-time \$40 application fee will apply for students taking this course as it is a requirement of SLCC for college credit.

**Intro to Forensic Science** (11-12)**Semester #67914000**

Pre-requisite: Law Enforcement or Concurrent Law Enforcement

Credit: .50 CTE

This one semester course covers the importance of locating, collection, and preservation of physical evidence at crime scenes. Included are crime laboratory techniques and services in examination of evidence.

**Forensic Science II** (11-12)**Semester #67914040**

Pre-requisite: Law Enforcement or Concurrent Law Enforcement

Credit: .50 CTE

Use of techniques covered in Forensics I will be continued and advanced strategies for the importance of locating, collection, and preservation of physical evidence at crime scenes will be introduced. Included are crime laboratory techniques and services in examination of evidence.

***Visual Arts*****Commercial Art****Intro to Design** (9-12)**Yearlong #67421020**

(Formerly Design and Visual Communications)

Pre-requisite: None

Credit: 1.0 CTE

Create unique artwork using the principles and elements of design. Learn traditional, digital and cutting-edge art techniques. Discover various careers from professional artists. Students will explore painting, drawing, airbrush illustration, cartooning, Photoshop, and other computer software. Develop a personal portfolio for immediate employment or higher education.

**Advertising Art** (10-12)**1<sup>st</sup> Semester #67420620**

Pre-requisite: Design &amp; Visual Comm or Intro to Design

Credit: .50 CTE

Students create original art using professional techniques. Explore the diverse and exciting careers of illustration, advertising and graphic design. Gain knowledge in concept design, layout copywriting, drawing, painting airbrush, Photoshop, illustrator, InDesign illustration, cartooning, and graphic design. Assemble a portfolio for immediate employment or higher education.

### **Industrial Design** (10-12)

**2<sup>nd</sup> Semester #67420400**

Pre-requisite: Advertising Art

Credit: .50 CTE

Create art using artistic techniques reflecting professional standards. Communicate your personal vision and develop exciting projects that prepare you for the world of Industrial Design. Explore the various careers in coordination with working professionals. Complete a series of designs and products that demonstrate your mastery of techniques, strategies and concepts. Assemble a portfolio for immediate employment or higher education.

### **Commercial Photography**

#### **Basic Digital Photography** (10-12)

**Yearlong #662239000**

**Semester #662237000**

Prerequisite: none

Credit: 1.0 CTE

Digital photography is designed to develop in students a life-long love of photography while developing the technical expertise to enable them to produce art-quality work. Students will learn about cameras, printers and Adobe Photoshop® editing and presentation software. They will be given opportunities to present their photographs in gallery settings and on the web. Career opportunities in photography will also be explored. FEE: \$30 per year for supplies.

#### **Advanced Commercial Photography II** (11-12)

**Yearlong #662246000**

**Semester #662245000**

Prerequisite: Basic Digital Photography

Credit: 1.0 CTE

Advanced photography is designed to offer students a rigorous environment in which to learn skills leading to post-graduate education or careers. Students are required make gallery-quality prints for exhibition, enter competitions and other photographic exhibitions and prepare photographic materials for use on the Internet. Training includes, but is not limited to, art history, photographic history, use of professional equipment, studio experience and field practice. Students may be offered opportunities to participate in commercial assignments. Successful students will finish the year with a portfolio of prints that can be shown to college and university admissions departments or prospective employers. FEE: \$30 per year for supplies. **Juniors and Seniors may register in this course for SLCC college credit as Art 1050.** A one-time \$40 college registration fee applies.