

# Cottonwood



# COLTS

Registration  
2008-2009



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**COTTONWOOD HIGH SCHOOL  
2008 – 2009**

**GENERAL INFORMATION FOR  
STUDENTS AND PARENTS**

This booklet has been produced to provide students and parents with data concerning courses available at Cottonwood High School. It contains information students will find of value as they register for next school year.

Principal: Dr. Garrett Muse

Assistant Principals: Mr. David Gatti  
Mr. Mitch Nerdin

Career Counselor: Richard Palmer

Counselors: Mr. Lanny Howe (A-E)  
Ms. Judy Liapis (F-L)  
Counselor (M-Pa)  
Ms. Peggy Allsop (Pe-Z)

**SCHOOL TELEPHONE NUMBERS**

Administration.....646-5264	Community Ed.....646-5270
Counseling Center.....646-5265	AMES.....278-0964
Career Center.....646-5266	Seminary.....273-3850
Attendance Office.....646-5269	

**REGISTRATION AND SCHOOL FEES  
2008 – 2009 SCHOOL YEAR**

Students will pick up their schedules for the 2008-2009 School Year in mid-August. Every student will have material sent to them in early August informing them of the dates of registration. When students come to registration to pick up their schedules they will need to have enough money to pay the following fees with cash or by check. The checks will need to be made payable to: **COTTONWOOD HIGH SCHOOL.**

1. **Basic Fees**.....\$60.00  
Books/Instructional Materials/Replacement/Activities\*(\$30 Materials, \$10 media/technology, \$20 activities, \$10 refundable at the end of the year)\* Student activity fees are used to fund activity programs such as: school newspaper, literary magazine, dramas, musicals, concerts, awards, dances, UHSAA sponsored events, and school graduation expenses.

### 1. Course Fees

The following fees are per semester.

Art.....	Not to exceed \$35.00
Computer Labs.....	Not to exceed \$5.00
Dance.....	Not to exceed \$10.00
Drama.....	Not to exceed \$10.00
Driver Education.....	Not to exceed \$100.00
Fitness for Life.....	Not to exceed \$10.00
Industrial/Home Econ/Voc.....	Not to exceed \$40.00
Lab Materials.....	Not to exceed \$15.00
Music.....	Not to exceed \$15.00
Physical Education.....	Not to exceed \$10.00
Work Books .....	Not to exceed \$15.00

\*\*Music Individual Maximum: \$30.00 per year

\*\*PE Individual Maximum: \$20.00 per year

### 2. Additional Fees

Shop Cards – Students may purchase shop cards for optional projects which will become the student’s property.

Equipment Rental shall not exceed \$35.00 per year/per class.

Musical Instrument Rental shall not exceed \$60.00 per year for primary/secondary instruments. There will be a \$15.00 fee beyond two instruments.

\*Debate (per year) shall not exceed \$90.00.

### 3. ATHLETICS PARTICIPATION FEES

(Individual Maximum: (\$100.00)(+ Re-conditioning fee for helmets)

\*Basketball, Football, Golf each).....\$50.00

\*Baseball, Debate, Soccer, Softball, Swimming, Track, Volleyball, Wrestling (each).....\$40.00

\*Cheerleaders, Cross Country, Drill Team, Pep Club, Tennis (each).....\$35.00

Football Helmet Safety Fee (Not part of Ind. Max.).....\$35.00

Personal articles of clothing per sport.....\$160.00

### 4. PERFORMING GROUPS, UNIFORM AND CAMP FEES

Student Body Officers.....\$125.00\*\*

Cheerleaders.....\$300.00\*\*

Pep Club/Flag Team.....\$200.00\*\*

Song Leaders.....\$300.00\*\*

Dance Club.....\$150.00\*\*

Drill Team.....\$600.00\*\*

Marching Bands.....\$50.00

Pep Band.....\$50.00

Jazz Band.....\$75.00

Orchestra, Band Madrigals, Show Choir, Concert Choir Girls

Girls.....\$100.00

Boys.....\$150.00

\*\*Does not include camp costs which are not to exceed \$250.00.

**5. TRAVEL**

Travel costs may not exceed \$700.00 per trip.\* All requests for overnight travel must be approved by the principal and the Assistant Superintendent. \*\$300.00 out of pocket, \$400.00 donations, fund-raises, & contributions.

**6. ADMISSIONS**

Stomps.....Not to exceed \$5.00 with an activity card or \$7.00 without an activity card.

Dances and Proms.....Not to exceed \$20.00 (Per Couple) with an activity card or \$25.00 without an activity card.

Plays, Musicals & Concerts.....Not to exceed \$10.00

Banquets.....Not to exceed \$15.00

**7. UHSAA ADMISSIONS**

Activities sponsored by the Utah High School Activities Association (UHSAA) may not exceed limits established by the Association.

**8. CLUB DUES**

School Clubs.....Not to exceed \$10.00

Vocational Clubs.....Not to exceed \$15.00

**9. GRANITE YOUTH SYMPHONY**

Tuition.....\$60.00

Uniform.....Not to exceed \$175.00

Travel.....As per Granite School Board Approval

**10. OTHERS**

Caps and Gown.....Not to exceed \$21.00

Class Change (Non essential).....\$5.00

Remediation/Makeup/Test Review Classes.....Not to exceed \$30.00

Community Education/Individualized Home Study (Make-up credit)

¼ Credit.....\$70.00

Community Education/Early Graduation/Enrichment (New Credit)

¼ Credit.....\$78.00

Credit Recovery Competency Testing.....\$10.00

Remediation/ Make-up/ Test review Classes.....\$30.00

Summer Athletic Clinics.....Not to exceed \$50.00

**11. OTHER OPTIONAL PURCHASES**

(The following are not fees and are not subject to fee waiver.)

Transcripts (First Free, all others).....\$1.00

School Campus parking permit.....\$10.00

Yearbook.....\$40.00 1<sup>st</sup> Sem - \$45 2<sup>nd</sup> Sem (Includes Tax)

\*Some of the listed fees are subject to Utah State sales tax.

(add 13% to fee for Charter, Private, and Home School students only)

++For junior/senior high school activities and athletics that require fees, tryouts must be conducted and the participants selected before fees are assessed.

Course, class, and extracurricular fees were approved by the Granite Board of Education on 11/30/04

**12. ADDITIONAL COSTS**

Parents and students should be aware that certain classes and programs may be made available to students that require additional costs that are not a part of the established fees schedule. Some examples of these courses/programs are: Enrichment programs, advanced placement tests, select vocational programs, PSAT (National Merit Testing), SAT, ACT, testing and concurrent enrollment programs that award college credit.

**GRADUATION REQUIREMENTS**

Students must have satisfactory citizenship and adhere to the rules and policies of the school. A student must maintain a 2.0 citizenship point average or better. Successful completion of 27 units of academic credit in grades 9th -12th Grades. Sixteen units of credit are prescribed, and eleven units are elective.

Graduation Requirement Summary:

- English.....4 units
- Social Studies.....3.5 units
- Mathematics.....2 units (Minimum must complete Geometry)  
(3 units for class of 2011 & beyond)
- Science.....2 units  
(3 units for class of 2011 & beyond)
- Arts.....1.5 units
- Physical Education.....1.5 units
- Career & Tech. Ed. (CTE).....1 unit
- Health.....(.5 units)
- Computer Technology.....(.5 units)
- Financial Literacy.....(.5 units)
- Elective Units.....10 units (8 units for class of 2011 & beyond)

**TOTAL 27 UNITS**

**LIMITATIONS ON CREDIT**

Students cannot receive credit in any course with lower proficiency requirements than a course in the same area for which credit has already been received. A limit of one unit of credit for service as aides can be earned during 11th and 12th grades. Occupation work experience credit is limited to a maximum of four units for graduation. This credit can be received only if the student concurrently takes a course directly related to the work experience while in school. A class cannot be repeated for credit unless it has been failed but can be repeated to improve the grade. Both grades will remain on the Transcript.

**COLLEGE AND UNIVERSITY CONSIDERATIONS**

Students who are planning to enroll in a major university directly from high school will need to take a minimum of three years of Math and three years of Science instead of the two years required for high school graduation. The three years of math should consist of Algebra 1, Geometry, and Intermediate Algebra. The three years of Science should consist of biology, chemistry, and/or physics, and one other core science class. Some universities may require two years of world language. Athletes need to consider NCAA Clearinghouse requirements if they are planning to go on to college. If you have any questions or if you need more information, contact your counselor.

## **SOPHOMORES**

### **Minimum Required Courses:**

Students registering to be sophomores next year must take a full year of World Studies and English, one semester of Fitness for Life (if not taken in 9th Grade), Computer Tech, Health and one other academic subject for the full year.

- 10th Grade Social Studies:

The 10th grade social studies requirement can be completed by registering for one of these two options:

World Studies

World Studies AP

- 10th Grade English:

The sophomore English requirement can be filled by registering for one of these three options:

English Honors 3-4

English Core 3-4

English Fundamental 3-4

## **JUNIORS**

### **Minimum Required Courses:**

Students registering to be juniors next year must take a full year of American Studies, English, and one other academic subject each semester. One semester of Financial Literacy (required), Physical Education is also recommended.

- 11th Grade Social Studies:

The American Studies requirement can be completed by registering for one of these two options:

American Studies 1 &2.

American History A.P.

- 11th Grade English:

The 11th grade English requirement can be filled by registering for one if these three options:

English 5-6 Honors

English 5-6 Core

English 3-4 Fundamentals

## **SENIORS**

### **Minimum Required Courses:**

Students registering to be seniors next year must take a full year of English, one semester of Government and Citizenship and at least two other academic subjects. Seniors must also be sure to complete all other graduation requirements.

- 12th Grade English:

A.P. English - English 7-8 Core – Humanities

## AMES

Students enrolled in AMES can enroll in some Cottonwood Classes, and those classes are designated with AMES. These include:

Career & Technology Education, Art classes as designated, Business, Computer Science, Drivers Ed., World Language, Physical Education.

For more information about AMES Program please call 278-9460.

### **IMPORTANCE OF CAREFULLY CHOOSING CLASSES**

**Students are registering for the full year.** On the basis of student requests, teachers will be assigned for the coming year. Therefore, changes in schedules for next school year are **strongly discouraged**. Students are expected to become familiar now with the various subject offerings and to secure enough advice and counsel before registering, so that changes in your schedule will not be necessary. Students should secure this help from teachers, counselors, parents, and from the information provided in this publication.

### **EIGHT PERIODS REQUIRED:**

Students must register for all eight periods for both semesters. **It is required that all students take at least three academic classes each year from courses in English, World Language, Math, Science, Social Studies.** This is a total of sixteen semester courses. Full year courses count as two semester courses.

- Use the course description to determine which courses to take.
- Check your progress toward graduation to determine remaining graduation requirements.
- Select eight classes for each semester. **Choose two alternative full year classes and two alternative semester classes.** Courses will be assigned by the computer, and alternates are necessary in case of conflicts.
- Complete the colored registration card according to the instructions on the card. Fill in the card with the information requested at the top. Mark the courses you choose with an X. Get teacher's signatures if required. Fill in the blanks with alternate choices with an A. Get a guardian signature, and then sign the card yourself.
- Return the card to your Counselor on the date given at the time of registration. The Counselor will review your card. **Cards not turned in on time will be filled out by your Counselor.** Changes will be based on availability and will be assessed a \$5.00 fee.

## **IMPORTANT NOTES AND GENERAL INSTUCTIONS FOR REGISTRATION:**

- 1- Use a pencil when filling in your Registration Card. **Do not use Pen.**
- 2- Many classes offered at Cottonwood High School are year-long courses taught first and second semester. If you register for one of these classes, you may have the class during different periods each semester and you could have different teachers.
- 3- Make sure to fill in your alternative classes on the registration card. (Two full year classes and two semester classes.) You may not receive your first elective choice, please carefully consider your alternative classes, as you may be placed in an alternate class.
- 4- **To register for Drivers Education** – Students who were born on or before February 23, 1992 should register for Drivers Education first semester. Any students who were born on or before July 18, 1992 should register for second semester. Students who were born on or before October 30, 1992 may register for summer driving. The fee charged is \$100.00.
- 5- **Students in the class of 2008 must take and pass Financial Literacy in their Junior or Senior year in order to graduate.**

## **CONCURRENT ENROLLMENT**

Cottonwood High School hosts one of the largest concurrent enrollment programs in the state. Eleventh and twelfth graders can earn college credit at the same time they earn high school credit. The courses offerings college credit will be designated CC in the course description and on the registration card. Most course offerings receive credit from Salt Lake Community College

Students need to sign up for college credit by registering through the teacher of the class. A one-time fee of \$35.00 dollars is charged to become a matriculated student. Students must fill out an application for the college. A check to **Cottonwood High School** needs to be attached to the application for the first college course. If the student has been previously enrolled, the student must tell the teacher the former course and the date of enrollment.

The Concurrent Enrollment Teachers are required to follow curricula and texts designated by the college. Sometimes fees for books are assessed. If a student wants to withdraw from a class for any reason, the student must do so before midterm. Otherwise the student can receive a failing grade which affects the student's college GPA.

Students can complete college general education requirements while enrolled at Cottonwood High School. By taking a combination of Concurrent (CC) courses and Advanced Placement (AP) courses students can complete over 30 credits of general education requirement while enrolled at Cottonwood. See your Counselor for specific course offerings. **Students wanting Concurrent Credit must register using the Concurrent Course number listed in the Course Description Section of this booklet.**

**CONCURRENT ENROLLMENT CLASSES**

**2008 – 2009**

**Cottonwood High Class**

**College Course and Number**

**Applied Health**

Medical Terminology

Medical Terminology (098001)

**Art**

Drawing 1

Art 1020 (011150)

Drawing 3-4

Drawing 2 Art 1220 (011160)

Oil Painting

Art 1540 (011460)

Water Color

Art 1530 (011450)

Printmaking

013750

**Business**

Computer Information Systems

CC1020 (024400)

**Computer Science**

At Certification

(091721)

Network (t)

(091761)

Introduction to Information Technology

(091350)

**Family and Consumer Science**

Advanced Interior Design 2

CCID1053 Weber State (082410)

**Finance Academy**

Information included in the Business section of the Registration Booklet.

**Technology and Industry**

Architectural Drafting

CCAT110 (086430)

Computer Aided Drafting

CCAT1300 (086440)

**World Languages**

Spanish CC

CCSPAN101,1020 (034650)

**STUDENTS WANTING CONCURRENT CREDIT MUST REGISTER USING THE CONCURRENT CLASS COURSE NUMBER LISTED IN THE CLASS DESCRIPTIONS.**



**Medical Assisting** **11, 12** **Year**  
**Career Counselor Approval** **Palmer**  
**Application from Palmer required**  
**Taught at Granite Technical Institute**  
 (See the Course Description in the Granite Technical Institute information in the back of this booklet.)

**Emergency Medical Technician (EMT)** **12** **Year**  
**Career Counselor approval** **Palmer**  
**Application from Mr. Palmer required**  
**Prerequisite:** **Keyboarding Skills**  
**Taught at Granite Technical Institute**  
 (See the Course Description in the Granite Technical Institute information in the back of this booklet.)

**FINE ARTS**

Students enrolling in Art Classes should expect to have an enjoyable, rewarding and informative experience through classes intended to meet the needs of any student at any level of artistic skill. Beginning art classes are designed for students with little or no art experience. Courses provide a basic foundation and are prerequisites for more advanced classes. Classes are designated Skill Level 1, 2, or 3 (Beginning, Intermediate, and Advanced.) Most classes will require an art fee to cover materials.

**Drawing 1** **10, 11, 12** **Semester**  
**011110 & CC#011150** **AMES**  
**CC Art 1020 (Skill Level 1)** **4hrs credit**  
 This course is a foundation course in building visual thinking and rendering skills. Life drawing, art appreciation, and technical practice in figure and perspective are explored in various media. Basic understanding of the principles and elements will be introduced.  
**Fee: \$25.00**

**Intermediate Drawing 3-4** **11, 12** **Year**  
**011120 & CC#011160** **AMES**  
**CC 1020 or 1220 (Drawing 2)**  
**Skill Level 2, 3**  
 This is a full year class in which students will gain experience in various mediums and processes such as printmaking. Composition, perspective, figure drawing, the time-line of art history, and developing a personal portfolio will be emphasized. This class will help prepare you for advanced classes and AP portfolios. Prerequisite: Drawing1.  
**Fee: \$35.00 per semester**

**Advanced Drawing 5-6** **11, 12**  
**011230** **AMES** **Year**  
**(Skill Level 2, 3)**  
 This course offers students special instruction in portrait drawing and in different mediums such as pen, ink, acrylic, pastel, and colored pencil. This class will prepare students for college work. AP credit is available. Students will be required to prepare a portfolio. Supplies are required and are available for purchase. Teacher Approval: Buhler. **Fee: \$35.00/Semester.**

**Oil Painting** **11, 12**  
**011300 & CC#011460** **AMES** **Semester**  
**CC1540, (Skill Level 2, 3)**  
 This Course examines students to various painting techniques, and styles. Painting's place in art history and aesthetics will be introduced as well. It is designed to help students understand color theory and reach quick success in the rendering of basic subjects in oil. Prerequisite: Drawing 1 or Drawing 3-4. Teacher Approval: Buhler. **An investment in a paint set is necessary. Fee: \$35.00.**

**3-D Design 1** **10, 11, 12**  
**013010** **AMES** **Semester**  
 This class is designed to broaden experience in different mediums, stained and etched glass, ceramic tile painting, metal and clay for 3-D work, and watercolor for color design and textures. Students are introduced to the basics of preparing, kneading, forming, glazing, and firing clay. Skills are applied to hand-built functional and decorative forms. Specific projects are adapted to interests and needs of students. **Fee: \$35.00.**

**3-D Design 2** **11, 12**  
**013020 (Skill Level 2, 3)** **AMES** **Semester**  
 This course is a continuation of working with tile, metal, and glass as well as an introduction to jewelry making, collage, and printmaking. Teacher Approval: Fackrell. Prerequisite: Art Crafts 1. **Fee: \$35.00.**

**Advanced 3-D Art** **11, 12**  
**014450** **AMES** **Year**  
 This course is a continuation of mediums in tile, glass, jewelry, watercolor, collage, and embossed metal. The class will emphasize personal interpretation and heightened skill level. Prerequisite: 3-D Design 1. Teacher Approval: Fackrell. **Fee: \$35.00**

**Watercolor** **11, 12** **Semester**  
**011320&CC#011450** **AMES**

**CC Art 530 (Skill Level 2,3)**

This is a beginning watercolor class. Instruction and demonstrations will include washes, dry brush, and textures. The course will expose students to quality materials to enable them to produce higher-quality work. **An investment in watercolors and brushes is necessary; supplies are available for purchase.** Prerequisite: Drawing 1. Teacher Approval: Fackrell. **Fee: \$25.00 for paper.**

**Design** **10, 11, 12** **Semester**  
**013710** **AMES 10**

Students will be introduced to color theory and the basic elements and principles of art through projects, discussion, and a variety of mediums to create original designs. Previous experience is helpful but not necessary. **Fee: \$25.00**

**Printmaking 1-2/3-4** **11, 12** **Year**  
**013750**

**CC Credit Available (Skill Level 2,3)** **AMES**

This is a full year core class offering beginning and more advanced processes in printmaking, such as monotype, etching, woodcut and surface design. Learning to utilize the principles and elements of design will allow students to earn concurrent credit in Exploring Art to those students interested in studying that curriculum as well as completing printmaking projects. Prerequisite: Drawing 1 or Design. Teacher Approval: Buhler. **Fee: \$35.00.**

### **Business**

**Accounting 1** **10, 11, 12** **Semester**  
**022510** **AMES**

Accounting is the language and cornerstone of business. This is an excellent course for any student looking to prepare themselves for the world beyond high school. This introductory course teaches basic concepts such as journalizing, maintaining ledgers, preparing financial reports, and handling payroll. **Work experience related. State Competency Certificate available.**

**Accounting 1-2** **10, 11, 12** **Year**  
**022500** **AMES**

This course introduces new concepts such as double-entry accounting systems, journalizing, preparing reports, and posting of ledgers, banking activities, and payroll systems. Students gain additional skill with computerized accounting, uncollectible accounts, calculating depreciation on assets, interpreting financial information, calculating notes and interest. **Work experience related. State Competency Certificate available.**

**Advertising and Promotion  
025100**

**10, 11, 12**

**Semester**

This course provides the student 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 the appropriate and productive use of display space, television, radio, newspaper, digital media, and other forms of promotion. Specific training will teach the student to create, produce, and accurately evaluate the efficiency of various props, exhibits, and advertising strategies.

**Business Law  
024100**

**10, 11, 12**

**Semester**

In this class, students will gain an understanding of how the law affects consumers, minors, workers, and how the law impacts the lives of individuals. Topics covered include contract law, employment law, criminal and civil law, tort law, the court system and other related legal topics. Students will understand how to make legal agreements, and how to protect themselves from frauds, lawsuits, bankruptcy, and other legal pitfalls. This is an excellent course for a student interested in a career in law or any student who wants to know more about how our legal system works. **Work Experience related and State Competency Certificate available.**

**Marketing  
025400**

**10, 11, 12**

**Semester**

An introductory course, which will teach concepts of entry-level business and marketing functions such as marketing and business fundamentals, selling, financing, product/service planning, information management, purchasing, distribution, pricing, promotion, risk management, career development economics, communications, human relations, marketing math, and marketing operations. **Work Experience related and State Competency Certificate available.**

**Advanced Marketing** 10, 11, 12 Semester  
**025500**

Advanced Marketing is an in-depth course for the career minded student with emphasis in the following areas; marketing and business fundamentals, business management, information management, human relations, product/service planning, finance, distribution, purchasing, pricing, promotion, and selling. Prerequisite: Marketing. **Work Experience related and State Competency Certificate available.**

**Fashion Merchandising** 10, 11, 12 Semester  
**024900**

The Fashion Merchandising course is an introductory course that teaches the concepts of entry-level business and fashion fundamentals. Fashion Merchandising prepares the student with the fundamentals of basic fashion and business concepts: textile fibers and yarns, garment styles and parts, retail merchandise categories, designing and producing apparel, retail business fundamentals, and fashion promotion. **Work Experience related and State Competency Certificate available.**

**Computer Technology Graduation Requirement**

A student may elect to take either one of the following two courses to meet the state computer technology requirement:

- 1- Computer Technology.
- 2- Computer Information Systems – CIS 1020. Computer Technology is suited for all high school students. CIS 1020 is a college course (CC) and requires students to pay an application fee of \$35.00. All students taking the college course will receive 3 semester credit hours from Salt Lake Community College.
- 3- **If this class was taken in 9<sup>th</sup> Grade. Do not sign up for the class again.**

**Computer Information Systems** 10, 11, 12 Semester  
**CC#024400 (CC-CIS 1020)** 3 credit hrs

This computer applications course is a general education core class for college credit. Computer Information Systems 1020 gives students a comprehensive, hands-on, guide to Windows Word, Excel, Power Point, Access and the Internet. Students will learn computer concepts and understand how computers work. The emphasis of the class will be using the Microsoft XP software applications to create and integrate documents. Students will learn applications for business, home, and school. This is an excellent course for students who wish to earn college credit and expand their computer knowledge. **This class meets State requirement for Computer Technology. Work Experience related and there is a State Competency Certificate available. (Prerequisite: Keyboarding 25 WPM.)**

**Computer Technology** 10, 11, 12 Semester  
**024200**

This course is an introduction to computer application software that includes document processing (Word), spreadsheets (Excel), and presentations (PowerPoint). An understanding of ethics and use of operating systems, information resources (Internet), and electronic mail is included. Students will learn applications for business, home, and school. **Prerequisite: Keyboarding 25 wpm. Work Experience related and a Sate Competency Certificate is available.**

**Business Web Page Design** 10, 11, 12 Semester  
**024600** AMES

This semester course provides students with advanced Internet skills and techniques as well as a major emphasis on beginning Web page design. Students will explore the resources of the Internet and its tools through the use of e-mail, search engines, and browsers. HTML and Web publishing, software (Dream Weaver) will be used to create, format, illustrate, design, and edit Web pages. **Work Experience related with a State Competency Certificate available.**

**General Financial Literacy Graduation Requirement**

General Financial Literacy is now part of the core curriculum in Utah schools. Students may elect to take either of the following courses to meet the state requirement. The students may take this course as a junior (recommended) or senior.

- 1- General Financial Literacy
- 2- General Financial Literacy CC – Fin 1050

General Financial Literacy is suited for all high school students. FIN 1050 is a college level course (CC) and requires previous college admission or new admission with a \$35.00 fee. Students will receive 3 semester credit hours through Salt Lake Community College.

**General Financial Literacy** 11, 12 Semester  
**065500**

Financial literacy will provide a better understanding of personal finance as students move into adulthood making more informed monetary decisions, realizing a greater potential personal wealth, and fostering a stronger state and national economy. Topics include: income, money management, spending and credit, saving and investing, consumer protection, and risk management.

**Work Experience** 11, 12 Year  
**024501 (1 Period) 024502 (2 Period)**

Credit is given for on-the-job training in business/marketing and office occupations when related to an in-school business class. The student must maintain a “C” average in the related business class. Each student is required to track their work hours each month and fill out a small packet of forms for each quarter. The teacher will contact the office of the related site to evaluate prior-approved goals and training plan. An awarded unit of credit is based upon a minimum of five hours of work each week. Juniors are restricted to no more than two periods of Work Experience. **Students must take a business class each semester they have Work Experience.**

**Word Processing Basics** 10, 11, 12 Semester  
**023250**

In this course, students learn and/or improve keyboarding skills as well as learn basic word processing skills. Students will use Microsoft Word to learn how to perform basic word processing functions, edit and proofread documents, format documents, and create business documents such as memos, letters, and reports. **Word Experience related and a State Competency Certificate is available.**

**Academy of Finance**

11, 12

**Year**

This course is a two-year program for two periods every semester. Acceptance is by application, interview, and teacher recommendation. Classes students take as part of the Academy of Finance are concurrent enrollment. Students have the opportunity to earn approximately 25 college credits through Salt Lake Community College. There are some book and class fees involved with the college classes and students will be notified of these expenses when they are accepted into the program. Students are expected to remain in the program during their junior and senior year.

Courses taken during the program include: Financial Planning (*this class will also fill the General Financial Literacy graduation requirement*), Advanced Spreadsheets, Banking and Credit, Essentials of College Study, Accounting, and Economics. Students also have the opportunity to complete an internship for additional college credit.

If you are interested in applying to be part of the Academy of Finance, please contact Stephanie Wynder in the Business Department.

**Work Experience related and State Competency Test Certificates available.**

**COMPUTER SCIENCE**

**Visual Basic  
054100**

10, 11, 12

**Year**

This course is an introduction to computer programming using the visual basic program application. Topics will include visual basic syntax and basic forms, controls, event procedures, toolbox, dialog box, and graphics. The class also explores designing, coding, and testing of interactive general applications that the student creates. This course focuses on teaching students how to use critical thinking and problem solving and teamwork skills through the application of programming/engineering methodology. Students who sign up for this course must take Introduction to Information Technology and pass it with a B or better grade.

**A+ Certification  
091731 & CC#091721**

11, 12

**Year**

The focus of the class is preparation for the industry certification test. All students will be given the opportunity to take CompTia's Certification test. Students will be exposed to hands on training in micro-computer configurations, installations, component upgrading, diagnosis, repair and preventative maintenance. The class will prepare students to become skillful in service and support of video displays, storage media, printers, basic operating systems, modems, buses, CD-ROMs and other components. Students will learn basic troubleshooting techniques repaired to configure, install, upgrade and diagnose operating systems such as DOS, Windows 9X and Windows 2000 and XP. Students must have a working knowledge of operating systems, application software, and hardware. Students may take class for Concurrent SLCC credit. This class requires teacher approval and a B or better grade in Introduction to Information Technology. Teacher Approval: Aiello.

**Network+** **11, 12** **Semester**  
**091751 & CC#091761**

This class focus for this semester class is preparation for the industry certification. All students will be given an opportunity to take CompTIA's certification exam at the end of the course. All students will be exposed to hands on training in installing and configuring a network. Student may have an opportunity to earn Concurrent SLCC credit. Candidates for this class should have passed, or should be signed up concurrently for A+. This class requires teacher approval and a B or better grade in Introduction to Information Technology. Teacher Approval: Aiello.

**Introduction to Information Technology** **10, 11, 12** **Semester**  
**091350**

This semester class is designed to introduce beginning students to four program areas of information technology, namely Information Support and Services, Interactive Media, Networking Systems and Programming Software and Development. The goal of the course is to help students interested in an information technology career decide which facet of the IT industry to pursue. This class is the first class for students who are interested in being part of the Academy of Information Technology. The Academy offers students the opportunity to earn Concurrent credit for IT classes that are taught concurrently through SLCC and UVSC. It is a great opportunity for students to prepare for college with advanced credit. The Academy also offers scholarships. There are no prerequisites or teacher signature required for this introductory class.

### **DRIVERS EDUCATION**

The goal of driver education is to produce skilled, knowledgeable, and responsible drivers. This course deals with the following topics: awareness of the problems that exist in traffic safety; checks and procedures important in operating a vehicle safely; effective driving decisions and visual habits; knowledge of the human and natural laws that effect driving; basic vehicle maneuvers; basic vehicle maintenance; financial and legal aspects of operating an automobile, and physical and mental preparation while driving a motor vehicle, especially with avoidance regarding fatigue, drugs, alcohol, and illness. Students may take driver education only one semester during their high school careers. If students fail, they have two opportunities for earning credit. For the students lacking driving time because they fail behind in the class work an incomplete can be made up the semester following the failure by attending a class offered on Saturdays. For the students who lack both driving time and class work, the second opportunity to earn credit will be in the summer program.

**Drivers Education** **10, 11, 12** **Semester**  
**064101 – 1<sup>st</sup> Semester (B-Day Feb. 23, 1991)** **AMES**  
**064102 – 2<sup>nd</sup> Semester (B-Day, July 18, 1991)**

During the eighteen-week period students spend time in a classroom situation. Behind-the-wheel time includes a course of four hours off-street, multiple-car, driving-range experience, eight hours of driving simulator instruction, and two hours of on-street instruction in a dual-control car. In addition, each student will spend six hours in the car driving or observing another student operating the automobile under normal traffic conditions.

## ENGLISH

Students should choose English courses wisely and consider graduation requirements as well as their college and university preparation. Utah State Core Curriculum provides the guidelines for selecting materials and developing objectives for high school level language arts course work. The Salt Lake Community College and The College Board provide the curricular guidelines for the college and university credit courses. **All classes will include instruction and course work in writing, reading, listening, speaking and viewing.**

### Sophomore

<b>English 3-4 Fundamentals 041000</b>	<b>10</b>	<b>Year</b>
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This course emphasizes student improvement in fundamental core curriculum skills. A positive, supportive approach also improves attitudes toward language arts and success in school. Students learn to read for information and for pleasure as well as to write clearly and effectively. Teacher Approval: Current Teachers.

<b>English 3-4 Core 041100</b>	<b>10</b>	<b>Year</b>
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This course emphasizes basic core language skills. The course includes the study of basic syntax, conventions, diction and organization to improve writing skills. Several reading genres help students understand writing style and purpose.

<b>English 3-4 Honors 041110</b>	<b>10</b>	<b>Year</b>
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Sophomore Honors English emphasizes evaluative and critical thinking in reading, writing and discussions. The course focuses on interpretation of selected novels, essays, short stories, plays and poetry which represent styles and human concerns from classical to modern eras. This course offers students the opportunities to develop proficiency in oral and written expression. This rigorous course includes instruction for college-bound students. Teacher Approval: Ause.

### Junior

<b>English 5-6 Fundamentals 041131 (1<sup>st</sup> Semester) 041132 (2<sup>nd</sup> Semester)</b>	<b>11</b>	<b>Year</b>
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This course emphasizes student improvement in fundamental core curriculum skills. A positive supportive approach also improves attitudes towards language arts and success in school. Students focus on reading for information and for pleasure as well as writing clearly and effectively. Teacher Approval: Current Teacher.

<b>English 5-6 Core 041140</b>	<b>11</b>	<b>Year</b>
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This course emphasizes basic core language skills. The course includes the study of basic syntax, conventions, diction and organization to improve writing skills. Several reading genres help students to understand writing style and purpose. Teacher Approval: Current Teacher.

**English 5-6 Honors** **11** **Year**  
**041150**  
This course introduces students to American literary works as well as other genres. The course includes instruction in advanced written and oral literary analysis. It is a preparatory course for college humanities courses and for Advanced Placement English. This rigorous course includes instruction for college-bound students. Teacher Approval: Helotes.

**Seniors**

**English 7-8 Fundamentals** **12** **Year**  
**041160**  
This course emphasizes student improvement in fundamental core curriculum skills. Students will develop reading and writing strategies necessary for a wide range of post-secondary experiences. Teacher Approval: Current Teacher.

**English 7-8 Core** **12** **Year**  
**044170**  
This course emphasizes literary reading and writing for seniors. The course introduces students to literary analysis through critical reading of several genres. It includes an introduction to advanced essay writing and discussion skills. This course emphasizes reading and writing for students who are considering career options which may include a college or university education. It provides instruction and course work which focuses on vocabulary, research and study skills as well as reading in several genres. Teacher Approval: Current Teacher.

**Humanities** **12** **Year**  
**043000**  
This course includes course work and instruction for students who have average or better reading and writing skills. Students examine creative individuals from different historical periods. The course includes instruction in literature, history, music, philosophy and art. Students will create a project which focuses on creative individuals from each time period. Teacher Approval: Current Teacher.

**Advanced Placement English** **12** **Year**  
**048100**  
This course includes rigorous instruction and course work for highly motivated seniors who are interested in taking and passing a test to earn several semester hours of university credit while enrolled in high school. The course emphasizes literary analysis and university level writing skills as well as an appreciation of sophisticated reading in several genres. Students must have good basic writing and reading comprehension skills. Teacher Application and Approval: Harrison.

## JOURNALISM

**Journalism 2-6  
047600**

**10, 11, 12**

**Year**

This sequence of classes is a workshop to plan and produce the school newspaper. Enrollment is limited. The selection of students is made by the current staff and the advisor based on qualifications expressed in written form and on demonstrated news writing skill. Teacher Approval: Morgan.

**Publications 1-2  
047100**

**10, 11, 12**

**Year**

This is a course for first and second year students who plan and produce the school yearbook. The course includes the opportunity for students to learn to create yearbook pages while developing skill in copy writing, layout, photography, and general organization. Teacher Approval: Wynder.

## FAMILY & CONSUMER SCIENCE

Family and Consumer Science offers classes which give students the opportunity to develop life and work skills needed for independent living as well as for the dual role of family member and wage earner. Courses are designed in a sequential manner which moves students toward learning marketable skills for life. Student Leadership opportunities in FCCLA are an integral part of our program and course offerings.

**Clothing1/Sport Sewing  
080800**

**9, 10, 11, 12  
AMES**

**Semester**

This course introduces students to basic sewing and pressing equipment, textiles, entry level project construction techniques, and techniques for constructing seam finishes. Focus will be on learning basic sewing and clothing construction skills. Students will learn sewing and fabric terms, how to lay out patterns for cutting, and how to read and follow pattern guide sheets. Students provide their own equipment, patterns, notions, and material for projects.

**Clothing2/Designer Sewing** **10, 11, 12** **Semester**  
**080810** **Ames**  
 This course is designed for students who have basic sewing and pressing skills and are interested in developing intermediate clothing construction skills. Individual projects will help students master construction techniques and introduce them to pattern alterations and fitting, textile construction methods, fashion design details, and sewing with nap and plaid fabrics. Students provide their own equipment, patterns, notions, and material for projects. Prerequisite: Clothing 1.

**Foods 1** **9, 10, 11, 12** **Semester**  
**081100** **AMES**  
 This course is designed for students who want to develop cooking skills and are interested in understanding the principles of nutrition and maintaining a healthy lifestyle. Students' learn equipment use and care, food sanitation, kitchen safety, recipe reading, and the development of good work habits. Attention will be given to the selection and preparation of foods enhancing personal health and well-being. **Fee: \$20.00**

**Foods 2** **10, 11, 12** **Semester**  
**081300** **AMES**  
 An advanced Food and Nutrition course designed for students who enjoy cooking and wish to further develop their skills related to meal planning, nutrition, entertaining, special occasions, foreign and creative foods. Instruction is given in the relationship of nutrition to health throughout the life cycle and the selection, preparation, and care of food. Meal management and good consumer economics teaches optimal use of the food dollar. Prerequisite: Foods 1. **Fee: \$20.00**

**Child Development** **9, 10, 11, 12** **Semester**  
**081400** **AMES**  
 This class provides students with an understanding of the aspects of human growth and development. Parenting skills are developed as positive guidance techniques and child-related issues are studied. Learning activities, observations techniques, and lab experiences in working with young children may be included. **Fee: \$5.00**

**Child Care 1-2** **11, 12** **Year**  
**082300** **AMES 11<sup>th</sup>**  
 This course prepares individuals for child-related careers and/or more extensive parenting skills through personal interaction with children. Instruction is given in developing positive relationship with and learning experiences for children, childcare policies and management guidance techniques, and health and safety concerns, On-site preschool and/or child care experiences will be a major component of the course. Previous completion of the Child Development course is recommended. **Fee: \$5.00**

**Child Care 3-4** **11, 12** **Year**  
**082301** **AMES 12<sup>th</sup>**  
 This course is designed for second-year Child Care students. They will be involved in the teaching and operations of the Kolt Kid's Preschool. Students can gain experience that can apply to future certification in the child care field. Prerequisite: Child Care 1-2. Teacher Approval: Greenwood. **Fee: \$5.00**

**Adult Roles and Responsibilities** **11, 12** **Semester**  
**081500** **AMES 11<sup>TH</sup>**

This course prepares students to understand the nature, function, and significance of human relationship involving individuals and families. Topics include: family living, parenting, household and stress management, decision-making skills, communication skills, self-awareness, dating and relationship skills, and the individual roles and responsibilities within the family and community. Emphasis will be placed upon the uniqueness, needs and interests of individuals and families.

**Life Management** **10, 11, 12** **Semester**  
**081700** **AMES**

This course is designed to help student prepare for living on their own. It includes putting students' needs and values into perspective, setting goals, and making decisions such as renting and furnishing an apartment, buy a used car, handling money and credit, relationships, clothing care, nutrition and some in-class food preparation. **Fee: \$5.00**

**Housing and Interior Design 1** **10, 11, 12** **Semester**  
**081800** **AMES**

This course enables students to explore their creativity in the field of interior design. Identification of the elements and principles of design are emphasized and enable students to develop skills in the exciting world of interiors. Students will increase their understanding of housing and will work with color, textures, fabrics, and floor plans in creative projects. This class is helpful to the career-bound architect, interior designer, or homemaker. **Fee: \$5.00**

**Advanced Interior Design** **11, 12** **Year**  
**082400 (CCID1053 Weber State)** **AMES**

This class provides students with the opportunities to develop skills in applying the elements and principles of design to interiors. Projects are integrated throughout the course to provide applications as the student study architecture and furniture styles and construction, surface treatments and backgrounds, design and function of space and lighting. Students will have first-hand experience selecting background colors, furniture and accessories for a real house built by the district. Working toward the Open House with a beautiful custom-built home makes the year rewarding. Recommended: Housing & Interior Design or Art Class. Three hours of college credit available. **Fee: \$10.00**

**Family and Consumer Science (Work Experience)** **11, 12** **Year**  
**082501**

Students enrolled in this course receive on-the-job training and are expected to enroll in one of the following related Occupational Family and Consumer Science courses: **Occupational Child Care, Occupational Foods, and Occupational Interior Design.** Students are employed by a cooperating firm in the local community. Entry level positions provide work experiences on an average of five hours a week or a minimum of 180 hours a year. Students enroll 1-4 hours a day in this program. One credit is given for each period the student is registered. The work experience will be coordinated by a classroom instructor. Counselor Approved.

**General Financial Literacy/Adult Roles**                      **11, 12**                      **Year**  
**081610**    **Ames**

This course combines the ideas, concepts, knowledge, and skill taught in both the General Financial Literacy and Adult Roles courses. While exploring dating and marriage relationships, independent living skills, stress management, and communication skills, students will implement decision-making skills they must apply and use to become wise and knowledgeable consumers, savers, investors, users of credit, money managers, citizens, and members of the workforce, communities, an society. **Students must complete the entire course to earn their required Financial Literacy credit.**

**FORENSICS**

**Debate 1-2**    **10, 11, 12**                      **Year**  
**046300**

An introduction to the fundamentals of speech arts and debate, the principal focus of this class is on speech performance, critical thinking, research and content organization in debate and in individual speaking events. These events include student congress, impromptu speaking, original oratory, extemporaneous speaking, cross examination debate and Lincoln-Douglas Debate. Students are required to participate in at least three interscholastic tournaments each term and are highly encouraged to attend the out-of-state tournament. Students must be in Debate 1-2 to try out for the CHS Forensics Team. **Fee: \$90.00**

**Debate 3-6**    **11, 12**                      **Year**  
**046400**

Designed to give students advance training, this course is required for all members of the CHS Forensics/Debate Team. Students in this class are required to attend at least five interscholastic tournaments per semester. Prerequisite: Debate 1-2. Teacher Approval: C. Tuckness. **Fee: \$90.00**

**Theater 1**    **10, 11, 12**                      **Year**  
**019950**

This course introduces students to the fundamentals of dramatic arts. The course concerns itself with the reading of plays, the history of the theater, the physical theater, backstage organization, skills, techniques of acting and voluntary contest work. **Fee: \$20.00**

**Theater 3**    **11, 12**                      **Year**  
**019970**

More advanced training and experience in dramatic is offered in Drama 5-6. Contest work is also emphasized. Teacher Approval: C. Tuckness. **Fee: \$20.00**

**Play Productions and Direction** 11, 12 Semester  
**019980**

This is an advanced theater course in which students will study playwrights, theater history advanced acting, dance and movement and have the opportunity to direct their own play. Students will have a look at behind-the-scenes theater. For those students who wish to dance and perform in Theatre Department productions sign up for Dance 5-7 Theatrical. Students will use Play Productions for rehearsals and will perform in the school musical and Broadway review. Teacher Approval: C. Tuckness. **Fee: \$20.00**

**TV Production 1-4** 11, 12 Year  
**068800**

Students must be interviewed for this class as there are ability, interests, and talent requirements that must be met. Regular telecasts are made to the student body. Newscasters, reporters, technicians are needed to accomplish these tasks. Interview with Ms. Liddle required.

**Film Studies** 10, 11, 12 Semester  
**011910**

Students will study history of film, analyze current trends, and experiment with film making. Students will enter their films in the Cottonwood Film Festival. **Fee: \$10.00**

**MATHEMATICS**

The mathematics curriculum is designed to meet the needs of all students: those who will terminate their education with high school, those in vocational programs, those who desire a general background for college, and those who wish to prepare for science and mathematics at a university. Cottonwood High School graduation requirements include successful completion of both one form of Algebra 1 and Geometry. Prerequisites are listed, and a grade of C or better is required in the prerequisite classes to qualify the student.

**Honors Program in Mathematics**

The mathematics honors program prepares students to complete AP Calculus in their senior year. The following is a list of courses which are combined in the program to become full year honors sequences. To insure placement in these sequences, students should register using these courses:

**Sophomore** – Intermediate Algebra Honors or Intermediate Algebra/Physics Honors.

**Junior** - Pre-calculus Honors, or Pre-calculus/Physics B.

**Senior** – Calculus or Calculus/Physics AP.

**Algebra 1** 10 Year  
**052100**

This course is a study of the number system using linear and quadratic functions to extend the rational numbers from arithmetic to include the irrational numbers. The focus is on using linear relationships to generate equivalent expressions, applying formulas, and a proficiency in proportionality. In addition, students will learn problem solving, graphing, data portrayal and simple analysis. Every student planning to attend college or a technical school must complete this course. This course is a requirement for graduation. Teacher Approval: Current Math Teacher.

**Algebra1/Algebra Lab  
052103**

**10, 11, 12**

**Year**

Students must have a mathematics teacher's recommendations to enroll. The course is intended for students who have struggled with previous math classes. The Algebra Lab is a required part of this course as it will provide every student additional instruction, practice, and remediation in Algebra. This is a block class which means it will meet every day with the same instructor. This course is a study of the number system using linear and quadratic functions to extend the rational numbers from arithmetic to include the irrational numbers. The focus is on using linear relationships to generate equivalent expressions, applying formulas, and a proficiency in proportionality. In addition, students will learn problem solving, graphing, data portrayal and simple analysis. The Algebra Lab is a required part of this course as it will provide every student additional instruction, practice, and remediation in Algebra. The lab enables the student planning to attend college or technical school must complete this course. This course fulfills a requirement for graduation. Prerequisite: Teacher Approval: Current Math Teacher.

**Geometry 1-2  
053200**

**10, 11, 12**

**Year**

Geometry is required for everyone planning to study mathematics beyond elementary algebra because it introduces formal logic and mathematical reasoning. Prerequisite: Algebra 1. Approval: Current Math Teacher.

**Geometry/Geometry Lab  
053201**

**10, 11, 12**

**Year**

Students must have a mathematics teacher's recommendation to enroll. The course is intended for students who have struggled with previous math classes. The Geometry Lab is a required part of this course as it will provide every student additional instruction, practice, and remediation in Geometry. This is a Geometry class with a Lab for additional support. This course involves the study of geometric shapes such as points, lines, polygons and circles. Students will use deductive and inductive reasoning to solve problems associated with various geometric principles. Students will also be introduced to coordinate geometry and trigonometry concepts. A strong background in Algebra 1 is essential, as much of the problem solving is algebraic in nature. This course is a graduation requirement and a prerequisite for advanced math courses. Prerequisite: Elementary Algebra. Teacher Approval: Current Math Teacher.

**Intermediate Algebra  
052400**

**10, 11, 12**

**Year**

The topics covered in Elementary Algebra are reviewed and expanded. The study of functions is the primary focus. Students will study functions algebraically by traditional methods, as well as numerically and graphically using technology. Types of functions covered include quadratic, absolute value, radical and sine and cosine. New topics introduced include complex numbers, matrices, systems of equations and inequalities, probability using permutations and combinations. This course should be taken to prepare students for college mathematics. Prerequisite: Geometry. Teacher Approval: Current Math Teacher. **Access to a graphing calculator is required.**

**Intermediate Algebra Honors** **10, 11, 12** **Year**  
**052200**

This is an intense, fast paced course intended for those who take Calculus AP as a senior. This course covers all the topics described in Intermediate Algebra and continues beyond. In addition, logarithmic functions are studied briefly, real number exponents and complex numbers are investigated and proficiency with the algebra of polynomials and rational functions is developed. Trigonometry, probability, statistics, and discrete mathematics are other new topics introduced and developed. Prerequisite: Geometry. Teacher Approval: Current Math Teacher. **Access to a graphing calculator is required.**

**Intermediate Algebra/Physics Honors** **10, 11, 12** **Year**  
**052201**

This class is designed to present an integrated approach to both Intermediate Algebra and Physics Honors. The intent is to increase student understanding by correlating concepts of both classes to provide a mathematical support to physics principles. Topics covered are the same as those listed under Physics Honors and Intermediate Algebra Honors. The course will be taught in a double block period by instructors from both science and mathematics. Credit will be given in both subjects. Prerequisite: Geometry. Teacher Approval: Current Math Teacher. **Graphing calculators will be required.**

**Pre-Calculus** **10, 11, 12** **Year**  
**052500**

The material in this course covers advanced algebra concepts as well as trigonometry, probability, statistics, and discrete mathematics. This course prepares the student for college level math and is essential for students who wish to do well on the Scholastic Achievement Test (College bound SAT) and/or the American College Testing (ACT) Examination. Prerequisite: Intermediate Algebra. Teacher Approval: Current Math Teacher.

**Pre-Calculus – Honors** **10, 11, 12** **Year**  
**052800**

The course serves as a prerequisite for AP Calculus or Statistics courses. Topics of study include exponential, power, polynomial, rational, logarithmic and piecewise functions, along with trigonometric functions and their inverses. Students will analyze situations verbally, numerically, graphically, and symbolically to explore mathematical ideas. These methods will help students to gain a deeper understanding of fundamental concepts. Teaching will focus on building an understanding of concepts which will enable students to apply mathematical skills and make meaningful connections to real world math problems. Prerequisite: Intermediate Algebra Honors. Teacher Approval: Current Math Teacher. **Access to a graphing calculator is required.**

**Pre-Calculus/Physics 3-4 AP (B)**  
**052802**

**10, 11, 12**

**Year**

This course serves as a prerequisite for both AP Calculus and APE Physics (C). The course presents an integrated approach to both pre-calculus honors and AP Physics (B). The intent of the course is to increase student understanding by correlating the concepts of both classes and provide mathematical support to the principles of physics. Topics covered are the same as those listed under pre-calculus honors. The course will be taught as a combined class, meeting every day, by instructors from both the mathematics and science departments. Credit will be earned in both subjects. Opportunity will be provided to take the AP Physics (Level B) examination at the end of the course. Upon satisfactory completions of the exam, up to ten semester hour of college physics credit may be awarded by some colleges and universities. Prerequisite: Intermediate Algebra. Teacher Approval: Current Math Teacher. **Access to a graphing calculator is required.**

**Advanced Placement Statistics**  
**054700**

**11, 12**

**Year**

This is designed as a non-calculus based statistics course. The purpose of the course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1- Exploring Data: Observing patterns and departures from patterns, 2- Planning a study: Deciding what and how to measure, 3- Anticipating Patterns in Advance: Producing models using probability and simulations, and 4- Statistical Inference: Confirming models. Upon passing the advanced placement examination, students may receive up to ten semester hours of college credit. Prerequisite: Pre-Calculus. Teacher Approval: Current Math Teacher. **A Graphing calculator with statistical applications will be required**

**Advanced Placement Calculus AB/BC**  
**054500**

**11, 12**

**Year**

This course is equivalent to the freshman level university courses in differential and integral calculus. Topics studied include limits, continuity, differentiation, and integration and their application to real world problems. At the end of the course students will have a choice of taking either AP-Calculus (AB) or AP-Calculus (BC) examination. Upon passing the advanced placement examination, students may receive up to ten semester hours of college calculus credit. Prerequisites: Pre-Calculus/Physics Honors. Teacher Approval: Current Math Teacher. **This will be a 2-period block class. Graphing calculators will be required.**

**Advanced Placement Calculus BC  
AP Physics 3-4 (Level C)  
054502**

**11, 12**

**Year**

This course is equivalent to a university freshman engineering physics/calculus course. The intent is to increase student understanding by correlating concepts of both classes to provide mathematical support to physics principles. The course includes materials regularly covered in college differential and integral calculus. Special emphasis is placed on applying the principles of calculus to the solving of problems in mechanics, electricity and magnetism. The class will be taught by instructors from both science and mathematics. Credit will be given in both classes. Opportunity will be provided for the student to take the AP Physics (Level C) and the AP Calculus (Level BC) examinations. Most universities will award ten credit hours in Engineering Calculus and also ten semester hours of credit in Engineering Physics upon receipt of notification of satisfactory completion of the advanced placement examinations. Prerequisites: Pre-Calculus/Physics Honors. Teacher Approval: Current Math Test. **Graphing calculators will be required.**

**MUSIC**

**Beginning Guitar 1-6  
016400**

**10, 11, 12**

**Semester**

This class emphasizes the development of music reading skills, the understanding of basic music theory, and the development of guitar skills, the playing of guitar chords, moveable chords, light rock and classical styles of guitar music. The course provides sufficient instruction and practice for the students to accompany songs with chord accompaniment and to play guitar solos. **This class is open to any student with an acoustic guitar. No electric guitars are used in class.** Teacher Approval: A Tuckness. Fee: \$10.00

**Jazz Ensemble 1-6  
016700**

**10, 11, 12**

**Year**

This is a class for selected students interested in exploring and performing jazz literature. Players must have a high degree of proficiency to perform the intricate rhythms of jazz. A high level of commitment and dedication is necessary to participate in this class. Much individual and group work outside of normal class hours is expected. Prerequisite: **Audition** with A. Tuckness. **Fees: \$20.00, \$50.00 Uniform, \$40.00 Instrument Rental.**

**Wind Ensemble 1-6  
016900**

**10, 11, 12,  
AMES**

**Year**

The class explores standard and contemporary concert band literature on an intermediate level. Emphasis is placed upon individual excellence as parts usually have only one or two players per part. Students will be expected to practice at home as the music is challenging. The group performs at concerts and festivals. This class also serves as the Pep Band for football and basketball games. Teacher Approval: A. Tuckness. **Fees: \$20.00, \$50.00 Uniform, \$40.00 Instrumental Rental.**

**Concert Band 1-6** **10, 11, 12** **Year**  
**016600** **AMES**  
 The class explores standard and contemporary concert band literature on an intermediate level. Emphasis is placed upon individual excellence as parts usually have only one or two players per part. Students will be expected to practice at home. The group performs at concerts. All incoming 9<sup>th</sup> Graders must enroll in this class before entering Wind Ensemble. Teacher Approval: A. Tuckness. **Fee: \$20.00, \$50.00 Uniform, \$40.00 Instrument Rental.**

**Concert Orchestra 1-6** **10, 11, 12** **Year**  
**017000** **AMES**  
 Membership in the concert orchestra provides an opportunity for serious music students to become acquainted with the best music literature. In addition, opportunity is given to students to read many of the great symphonies and contemporary works of master composers. Students will be expected to practice at home as the music is challenging. The concert orchestra participates in concerts and festivals. Teacher Approval: A. Tuckness. **Fee: \$20.00, \$50.00 Uniform, \$40.00 Instrument Rental.**

**A Cappella Choir 1-4** **11, 12** **Year**  
**018500**  
 This is the most advanced large group at the high school level. Members are expected to meet a much higher level of musicianship. Class work and content are increased, and members are expected to develop better vocal production. This class is a major commitment. That commitment includes attendance to class rehearsals and performances. Attendance at these rehearsals is as important as the musical ability. Teacher Approval: Pike. **Audition Required. Fee: \$20.00, \$90.00 Women, &150.00 Men.**

**Combined Choir** **10, 11, 12** **Year**  
**018400**  
 This class is designed to help students develop a greater understanding in the areas of vocal production, music reading, and sight singing skills. Involvement in this group is also a preparatory commitment for those who wish to later audition for other groups. There are concerts throughout the year requiring the attendance of every student. This class will help make students a greater asset in the choir setting through development of better singing and musicianship skill. Teacher Approval: Pike. **Audition Required. Fees: \$20.00, \$80.00 Women, \$50.00 Men.**

**Women's Choir** **10, 11, 12** **Year**  
**018200**  
 This class will provide an opportunity to learn a varied repertoire in music from classical to pop to jazz. Music reading and general musicianship will be a focus in the classroom. It requires the study of varying levels of music. There must be a commitment with regards to attendance and performances. Students are expected to spend outside time studying their music and completing other required assignments. Teacher Approval: Pike. **Audition Required. Fees: \$20.00**

**Madrigals**  
**018600**

**11, 12**

**Year**

This is a select group in which attendance and commitment to the group is of highest priority and is expected of each individual. There are a large number of performances and rehearsals during the year which makes the commitment to the group imperative. Members are required to rehearse music on their own as well as during class time. Much is expected vocally and technically from each student. Vocal skills need to be more advanced and students should be able to read music notation with ease. Teacher Approval: Pike. **Fees: \$20.00, \$90.00 Women, \$150.00 Men.**

**Theory and Harmony AP**  
**019400**

**11, 12**

**Year**

The study of harmony in this course includes chord structure, tonal music, harmonization techniques, melody writing, modulation, altered chords, secondary dominants, and seventh chords. The content of the course also includes the use of repetition, imitation, and sequence in melody writing and provides practice in transposing from one key or clef to another. The course prepares students to write and arrange music and to pass the AP Music Theory exam in the spring. Teacher Approval: A. Tuckness. **Fees: \$20.00, \$30.00 Workbook.**

**Men's Choir**

**PHYSICAL EDUCATION**

The intent of the physical education curriculum is to distribute the program sequentially over the high school years. During grades nine through twelve, all students must take 1.5 units of physical education. In the ninth grade, students must take Physical Education 3 or 4 or Fitness for Life for .5credit. In the tenth grade, Fitness for Life is required for students who do not complete this course in ninth grade. The remaining unit must be filled in either the eleventh or twelfth grades by completion of a course. A .5 credit may be earned by completion of two seasons of competitive sports in participation in grades ten through twelve. Students who desire credit for competitive sports must seek an application through their school counselor.

**Fitness for Life** **10** **Semester**  
**061300**

This semester course is designed to help each student become involved in and adopt a personal lifestyle of regular physical fitness. Specifically, students will identify and understand all the components of fitness including weight control, nutrition, caloric expenditure, heart rate, and stress management. **Fee: \$10.00**

**Athletics** **10, 11, 12** **Semester**

This special program is organized within the school. The elective course included the students who wish to play on school competitive athletics teams. Sign up for the Appropriate Athletic class. **Teacher Approval: Coach of that particular Sport.**

Football 061702 – (1<sup>st</sup> Semester)  
061703 – (2<sup>nd</sup> Semester)  
Boys 1<sup>st</sup> Semester 061700 – (1<sup>st</sup> Semester)  
Boys 2<sup>nd</sup> Semester 061701 – (2<sup>nd</sup> Semester)  
Girls 1<sup>st</sup> Semester 061708 – (1<sup>st</sup> Semester)

**Swim Team** **10, 11, 12** **Year**  
**062200**

This physical education class is organized to teach students stroke development, diving, and life saving activities. Students are participants on the Swim Team. Teacher Approval: Pavlish.

**Weight Training 1-4** **11, 12** **Semester**  
**062010**

This is a physical education course organized to teach students how to keep physically fit through weight training.

**Aerobics** **10, 11, 12** **Semester**  
**062380**

This class is for conditioning and weight loss. It develops physical fitness and endurance. This includes land/step/water aerobics plus free weights, conditioning, jogging, relaxation, and social dance. This will help students with weight control and self-esteem.

<b>Skills and Techniques of Basketball 061501</b>	<b>10, 11, 12</b>	<b>Semester</b>
This course develops participation skill and techniques in the team sport of basketball through stretching, agility exercises, drills, and conditioning. Emphasis is placed on improving and maintaining physical fitness and continued improvement of fundamental basketball skills. Prerequisite: Fitness for Life.		
<b>Lifetime Sports 1-2 061500</b>	<b>10, 11, 12</b>	<b>Semester</b>
Students develop skills in a variety of lifetime activities including dance. Prerequisite: Fitness for Life.		
<b>Dance 1-2 062410</b>	<b>10, 11, 12</b>	<b>Year</b>
This beginning class covers many basic dance forms and develops strength, agility, and coordination.		
<b>Dance 1 A 062410</b>	<b>10, 11, 12</b>	<b>Semester</b>
Basic skills and techniques of dance are introduced together with physical conditioning and development of agility and coordination.		
<b>Dance 2 062420</b>	<b>11, 12 AMES</b>	<b>Year</b>
This class further develops strength, rhythmic and creative skills and dance forms. Teacher Approval: Pearson.		
<b>Dance 3 062430</b>	<b>11, 12</b>	<b>Year</b>
Students should have taken Dance 1 or 2 prior to taking Dance 3 (Advanced Dance). This class is designed to learn advanced skills, techniques and highly skilled performance mastery. Teacher Approval: Pearson		
<b>Dance 5-6 Theatrical 062431</b>	<b>11, 12,</b>	<b>Semester</b>
This course is designed to teach awareness of and appreciation for the varieties of dance forms in musical theater. Students have some performance practice. For those students who wish to dance and perform in the Theatre Department productions. Students will use this class for rehearsals and will perform in the school musical and Broadway review.		
<b>Dance Company 062490</b>	<b>11, 12</b>	<b>Year</b>
Must Audition in the Spring. Approval: Pearson.		

**Health** **10, 11, 12** **Semester**  
**064500**  
This is a required course for graduation. Students study concepts, such as, emotional, mental, physical, social and environmental well-being which contribute to a living health lifestyle.

**Cheerleading** **10, 11, 12** **Year**  
**063300 (Varsity), 063301 (J.V.)**  
Cheerleaders for sophomores, junior varsity and varsity are selected through auditions and chosen by a panel of judges. The class is for elective credit only. **No Physical Education Credit is available.**

**Drill Team** **10, 11, 12** **Year**  
**063100**  
This is a small performing group. Auditions are in the spring and students must audition for the group. Selection will be made by a panel of judges for acceptance in the class. There is an additional cost to the students. Prerequisite or Concurrent Enrollment: Fitness for Life. Signature required from Ms. Watson.

**Sports Medicine-(Athletic Training)** **10, 11, 12** **Semester**  
**063600**  
This course is designed to teach students the components of sports medicine including detailed anatomy and injury evaluation, management, and rehabilitation. Health careers associated with sports medicine are introduced and discussed. Students may earn CPR certification. Physical education credit is available.

### Science

**Biology 1-2** **10, 11, 12** **Year**  
**056200**  
Biology exposes students to a wide range of biological science topics in molecular biology, heredity and genetics, microorganisms, plants, invertebrates, vertebrates, and ecology. This course is designed to meet the diversified needs of students who require biology for future employment or education.

**Honors Biology** **10, 11, 12** **Year**  
**056500**  
This course will cover all the basic concepts learned in Biology 1-2 but in greater depth and at an accelerated pace. It is designed for the advanced student who is looking for an academic challenge or those intending to enroll in A.P. Biology.  
Teacher Approval: Oliver or Jackman.

<b>AP Biology</b> <b>056400</b>	<b>11, 12</b>	<b>Year</b>
<p>This course is equivalent to freshman biology at the university. The principles of molecular and cellular biology, organisms and their structures and functions, populations, and their continued existence will be studied. Up to ten semester hours of college credit may be given by some colleges and universities upon satisfactory completion of this course and passing of the Advanced Placement Examination. Prerequisite: Biology 1-2, Chemistry Honors, Phys AP (B) past or present Teacher Approval: Hummer.</p>		
<b>Zoology</b> <b>056801</b>	<b>10, 11, 12</b>	<b>Semester</b>
<p>Zoology provides students with the opportunity to examine the animal kingdom with emphasis on classification, evolution, comparative anatomy, physiology, adaptations, and behavior. Teacher Approval: Current Science Teacher. Prerequisite: Biology 1-2.</p>		
<b>Human Physiology</b> <b>057200</b>	<b>10, 11, 12</b>	<b>Semester</b>
<p>This class is a study of life processes and human body functions under healthy and diseased conditions. Extended emphasis will be placed on morphology and physiology of the human organism. Prerequisite: Biology 1-2. Teacher Approval: Current Science Teacher.</p>		
<b>Wildlife Biology</b> <b>057000</b>	<b>10, 11, 12</b>	<b>Semester</b>
<p>This course is designed to discuss the interaction between humans, wildlife, and the environment. Students will examine the effect of human's presence on wildlife and the environment. Wilderness survival skills are also stressed.</p>		
<b>Applied Chemistry</b> <b>058200</b>	<b>10, 11, 12</b>	<b>Year</b>
<p>This course is an introductory treatment of the study of chemistry. Basic atomic theory, equations, and the nature of chemical reaction are presented as they relate to society. Emphasis is on chemistry in the world around us. Applications in organic chemistry, environment, and radiation are stressed. This is not a college preparatory course. Teacher Approval: Math or Science Teacher. <b>Fee: \$5.00. Scientific Calculator Required.</b></p>		
<b>Chemistry Honors</b> <b>058300</b>	<b>10, 11, 12</b>	<b>Year</b>
<p>This is a basic course for those students who will pursue vocations in the sciences, medicines, nursing, or related fields. Principles, concepts, and quantitative thinking are emphasized. The course covers atomic theory, gases, equilibrium, and other principles of chemistry. These concepts are not only discussed in the classroom, but are also demonstrated or practiced in the laboratory on a daily basis. An emphasis is also placed on quantitative relationships of the principles covered. Prerequisite: Algebra 2 past or present schedule. Teacher Approval: Math or Science Teacher.</p>		

**Chemistry 3-4 AP** **11, 12** **Year**  
**058400**

This course is equivalent to a freshman chemistry course at a university. The principles of chemistry are covered in depth with extensive use of mathematics. Some descriptive study of the elements is also included, along with sophisticated laboratory work. Successful completion of both this course and the advanced placement examination may result in the award of up to ten semester hours of credit by some colleges and universities.

Prerequisites: Chemistry 1-2 H or Physics AP (B).

Teacher Approval: Hummer.

**Biochemistry** **11, 12** **Semester**  
**??????**

This course is designed for juniors or seniors who want to further prepare for a science or health related major in college. This course is designed to offer a brief overview of biological processes at a molecular level, with an emphasis on their applications in research and medicine. Topics include: the functions and regulation of metabolism, protein interactions and DNA chemistry. This class will include a variety of laboratory exercises as well as basic instruction in the use of computer modeling software.

Prerequisites: Chemistry 1-2 H or Chemistry AP.

Teacher Approval: Hummer or Martinez.

Fee: \$20 lab/materials

**Organic Chemistry** **12** **Semester**  
**??????**

This course is designed for seniors who want to further prepare for a science related major in college. The principles of organic chemistry will include organic nomenclature, hybridization and bonding, molecular geometry, and basic reactions. Special emphasis will be placed on laboratory applications of these organic concepts. This curriculum will prepare those who have completed AP Chemistry for an organic chemistry course at the university level.

Prerequisites: Must have completed Chemistry AP.

Teacher Approval: Hummer.

Fee: \$20 lab/materials

**Applied Physics 1-2** **10, 11, 12** **Year**  
**058700**

This course is an introductory treatment of the principles of physics. Basic mechanics, electricity, heat, light and sound are presented as they relate to present technology. This is not a college preparatory course.

Teacher Approval: Math or Science Teacher. **Scientific Calculator Required.**

<b>Physics 1-2 H 058800</b>	<b>10, 11, 12</b>	<b>Year</b>
<p>This course is mathematical treatment of the principles of physics. Mechanics, electricity, heat, light, and sound are studied. In both the lectures and the laboratory experiments, emphasis is placed on quantitative relationships. This course prepares the student for further study in physics, medicine, architecture, engineering, and the physical sciences. Prerequisite: Algebra 2 past or present. Teacher Approval: Math or Science Teacher.</p>		
<b>Physics Honors/Intermediate Algebra 058801</b>	<b>10, 11, 12</b>	<b>Year</b>
<p>This class presents an integrated approach to Algebra 2 and Physics Honors. The intent is to increase student understanding by correlating concepts of both classes to provide mathematical support to physics principles. Topics covered are the same as those listed under Algebra 2 and Physics Honors. The course will be taught in a double block by instructors from both science and mathematics. Credit will be given in both subjects. Prerequisite: Geometry. Teacher Approval: Math or Science Teacher.</p>		
<b>Physics 3-4 AP (B)/ Pre Calculus 058900</b>	<b>10, 11, 12</b>	<b>Year</b>
<p>This class presents an integrated approach to both Pre- Calculus (Junior Honors Math) and Physics Honors. The intent is to increase student understanding by correlating concepts of both classes to provide mathematical support to physics principles. Topics covered are the same as those listed under Physics Honors 1-2 and Pre-Calculus Junior Honors. The course will be taught in a double block period by instructors from both science and mathematics. Credit will be given in both subjects. Opportunity will be provided to take the Physics AP (Level B) examination. Up to ten hours of credit may be awarded by some colleges and universities upon completion of the AP Exam. Prerequisite: Algebra 2. Teacher Approval: Wagstaff or Cannon.</p>		
<b>Physics 3-4 (C)/ Calculus AP (BC) 058910</b>	<b>11, 12</b>	<b>Year</b>
<p>This course is equivalent of a university freshman engineering physics/calculus course. The intent is to increase student understanding by correlating concepts of both classes to provide mathematical support to physics principles. The course includes materials regularly covered in college differential and integral calculus. Special emphasis is placed on applying the principles of calculus to solving the problems in mechanics, electricity, and magnetism. The class is taught by instructors from both science and mathematics. Credit will be given in both subjects. Opportunity will be provided for the student to take Physics AP (Level C) and the Calculus AP (Level BC) examinations. Most universities will award twelve quarter hours of credit in Engineering Calculus and also ten semester hours of credit in Engineering Physics upon receipt of notification of satisfactory completion of the advanced placement examinations. Prerequisites: Pre-Calculus, Physics 1-2 H. Teacher Approval: Duncan, or Stavn.</p>		

### Social Studies

All high school students are required to complete World Studies in the tenth grade, American Studies in the eleventh grade and a semester of American Government in the twelfth grade. Several elective courses are offered which fill the requirement for an area of distinction for a Diploma of Merit in Social Studies. Twelfth-grade students are encouraged to take as many elective classes as their schedules permit. Eleventh-grade students may take elective classes in addition to American Studies.

#### **World Studies 071000**

**10**

**Year**

This course is required for graduation. It will present a comprehensive study of World History, beginning with primitive cultures to the present time. The course will emphasize the contributions and achievements of ancient civilizations such as Egypt, Mesopotamia, Greece, and Rome. The study of Medieval Europe, the Renaissance, and the progress towards modern times will also be included. A broad study of World Religions will be integrated into course work, as will one or more of the following world cultures such as: Africa, Latin America, China, Japan, and the Pacific Islands.

#### **World History AP 075150**

**10, 11, 12**

**Year**

This class is an optional replacement to the required World Studies course. The purpose of the AP World History course is to develop a greater understanding of the evolution of the global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the natural changes in international frameworks and their causes and consequences, as well as comparisons among major societies. It emphasizes relevant factual knowledge used in conjunction with leading interpretative issues and types of historical evidence. The course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. Periodization, explicitly discussed, forms an organizing principle for dealing with change and continuity throughout the course. Specific themes provide further organization to the course, along with consistent attention to contacts among societies that form the core of the world history as a field of study.

This course will also have an emphasis on historical essay writing, primary source document analysis and text book analysis.

Teacher Approval Necessary: McNally & Application.

#### **American Studies 1 (071000)**

**11**

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

#### **American Studies 2 (071001)**

**11**

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

These courses are required for graduation. These classes include the study of selected areas from United States history focusing on the period of time since the American Civil War to current events. The class will incorporate economics and the operation of the free enterprise system as it fits into the areas of being studied.

**American History AP  
075100**

**11, 12,**

**Year**

Advanced Placement American and European History are college level programs that require strong academic preparation and parental approval. The courses are designed to help students read historical material analytically, weigh evidence and interpretations, and arrive at conclusions based on facts. Students have the opportunity to take an advanced placement examination and to receive up to ten semester hours of credit from many colleges and universities. Teacher Approval: Watson & Application.

**American Government & Civics  
073500**

**12**

**Semester**

This class is **required for graduation** for all students beginning with the class of 2006. The goal of this class is to foster informed, responsible participation in the public life. Knowing how to be a good citizen is essential to the preservation and improvement of the United States democracy. Upon completion of this course the student will understand the major ideas, protections, privileges, structures, and economic systems that affect the life of a citizen in the United States political system. This course is for seniors only because of their proximity to voting and draft age.

**AP Government  
076600**

**12**

**Year**

This year long college-level course prepares students to take two AP exams in United States Government and Comparative Government. The course is designed to teach students to understand and be able to critically analyze important concepts in both U.S. and comparative politics through the study of six core countries from AP Comparative Government (the United Kingdom, Mexico, Nigeria, Iran, Russia and China) and more in-depth study of American Government and Politics. As a college-level course, it is rigorous and demanding. It requires students to put forth their best efforts on a daily basis, both in class and in reading and listening to the news outside of class. I welcome all students who are willing to work hard, but encourage students to consider another course if they are not willing to read 10 to 15 pages a night, enhance their understanding of concepts by listening, or reading the news, spend time outside of class experiencing politics and government in action, and coming to class consistently. **The American National Government AP class meets the requirement for American Government & Civics which is a required class beginning with the Class of 2006.** Completion of the entire year is required to receive the required semester credit of civics.

**European History AP  
076000**

**11, 12**

**Year**

Advanced Placement European History is a college level program that requires strong academic preparation and parental approval. The course is designed to help students read historical material analytically, weigh evidence and interpretations, and arrive at conclusions based on facts. Students have the opportunity to take an advanced placement examination and to receive up to ten semester hours of credit from many colleges and universities. Teacher Approval: Gardner.

**Psychology** **10, 11, 12** **Semester**  
**077200** **AMES**

This course introduces the student to the study of the behavior of an individual. It emphasizes the manner in which the individual can apply various psychological theories and concepts to better understand oneself and one’s motives, behaviors and relationships with others.

**American West** **11, 12** **Semester**  
**075300**

This is a semester class with a focus on the American West in the early 1800s, beginning with the journey of Lewis and Clark, through the California Gold Rush. Students will follow the development of the Old West from Dodge City to Tombstone. The course offers a glimpse into the lives of the people who made up the West from the Plains Indians to such noted western personalities as Wyatt Earp and Doc Holliday. Students will understand the world-wide fascination with the Old West and its myths and legends. This is one of the most requested and popular classes taught at Cottonwood High School.

**Special Education**

Special Education services are provided for senior high students who are determined to have a disability in compliance with the Individuals with Disabilities Act that adversely affects their educational performance and who need special education and related services. Special Education services are determined by the student’s individualized education program including the transition plan and will be provided in the least restrictive environment with a focus on access to and progress in the general curriculum and outcomes after graduation.

**See your current Resource Teacher for enrollment options.**

**TECHNOLOGY AND INDUSTRY (CTE)**

Career Technology Education (CTE) courses provide in-depth instruction to develop manipulative skills, technical knowledge, and related occupational information form initial employment and post high school educational opportunities. Courses provide a wide variety of training for workers classified as technical, skilled, semi-skilled, and specialist. **VICA**, a related youth club with skill and leadership development, is a vital part of applied technology trade and industrial classes.

**Wheeler Farm/Agriculture** **11, 12** **Year**  
**& Animal Science**  
**Career Center Approval** **Palmer**  
**CC Through Utah State, AG ED 225**

Students receive practical instruction and on-the-job training in general farm work including experiences with animals, crops, tractor driving, and basic horsemanship. The class hosts a local chapter of FFA. Classes are taught at Wheeler Historic Farm. Students must provide their own transportation. College credit optional. **Choose one (1) two period block from:** Morning classes, 1,2, 5,6. Afternoon classes, 3,4,7,8.  
**Location: Wheeler Farm.**

**Auto Mechanics 1-2** **11, 12** **Year**  
**088100**  
 This course teaches theory and proper procedures of disassembly, assembling, and adjusting mechanical units such as engine, chassis, brakes, and front and rear end assembly. All are hands-on situations. Physics or electronics background is highly recommended. Ability to bring an older auto or truck is not necessary, but if you cannot you must team up with another classmate to get the identical experience. If all Shop Tool Tags are returned, and if nothing else is owed: \$5.00 fee is refundable. **Fee: \$30.00.**

**Occupational Auto Mechanics 3-4** **12** **Year**  
**092112**  
 This course is designed for students who plan to enter automotive service field or for those interested in technical and engineering programs. The class includes work and theory in engine repair, engine performance, brakes, suspension and alignment, and electrical systems. Work ethics and productivity are an integral part of the classroom and lab activities of these courses. NATEF requires a minimum number of hours in each area, and the State Office of Education now requires NATEF Certification for funding of the program. **Teacher Approval: Perrier. Fee: \$40.00.** Taught: 1<sup>st</sup> & 2<sup>nd</sup> Period.

**Auto Body and Fender Repair** **11, 12,** **Year**  
**Career Counselor Approval** **Palmer**  
**Taught at Granger High School** **2 Periods**  
 The ATE is designed for the student whose career goals is to become an auto body repairman. Classroom and shop experiences deal with repairing damaged auto bodies and fender by straightening metal, smoothing surfaces, painting, and replacing body components. Students must provide their own transportation. Choose one (1) two period block from: Morning classes 1,2,5,6. Afternoon classes 3,4,7,8.

**Carpentry Home Building** **11, 12** **Year**  
**Career Counselor Approval** **Palmer**  
**Taught: 1400 East 4336 South** **2 Periods**  
 This ATE course involves the actual construction of a house. It will include experiences in designing, obtaining building permits, developing a site, estimating and ordering materials, sub-contracting, and constructing a house. Practical experience is provide through the on-site home building projects. Students must provide their own transportation to the building site at 4336 South 1400 East. Choose one (1) two period block from: Morning classes 1,2,5,6. Afternoon classes 3,4,7,8

**Concrete Finishing** **11, 12** **Year**  
**Career Counselor Approval** **Palmer**  
**Taught at 1400 East 4336 South** **2 Period**  
 This course is designed to involve students in the on-the-job experience of placement of cement in building luxury homes. Instruction includes blueprint reading, basic construction, safety codes, and forming techniques. Work experiences provided in finishing basement floors, driveways, steps, sidewalk and patios of vocational building projects. Choose one (1) two-period block from: Morning classes 5 &6 or 7 & 8.

<b>Cosmetology</b>	<b>11, 12</b>	<b>Year</b>
<b>Career Counselor &amp; Application</b>	<b>Palmer</b>	
<b>Student pays tuition to beauty school</b>	<b>2 or 4 periods</b>	

This ATE course is designed for students who desire to enter the field of cosmetology. Students participating in this program spend 2 periods a day during their senior year attending a local beauty college of their choice. Utah requires 2000 hours for completion of the course and instruction in and development of skills in shampoos, and sets, permanent, eyebrow shaping, facials, tints, and hair cutting. Student must provide their own transportation. Periods: Morning classes four period block, 1,2, 5, 6. Afternoon classes two period block 3 &4 or 7 &8.

<b>Cosmetology</b>	<b>11, 12</b>	<b>Year</b>
<b>Career Counselor Approval</b>	<b>Palmer</b>	
<b>Taught at Granite High</b>	<b>4 Periods</b>	
<b>Student pays tuition to beauty school</b>		
<b>7:00 a.m.-11:00 a.m. or</b>		
<b>12:30-4:30 p.m.</b>		

A rigorous course taught four periods a day for those who desire a career in the cosmetology industry. Two thousand hours of practice are required before State Board exams can be taken and state licensing awarded. Students must provide their own tuition costs and transportation to the site. Passing a reading and math test is part of the admissions process. An Application form Mr. Palmer is required. Choose one (1) four-period block from: Morning 1,2,5,6. Afternoon 3,4,7,8.

<b>Digital Editing &amp; Design</b>	<b>10, 11, 12</b>	<b>Year</b>
<b>086600 &amp; CC#012150</b>		
<b>CC Art 1060 &amp; 2010</b>		

This is the first in a sequence of courses that prepare individuals to use artistic techniques to effectively communicate ideas and information to business and consumer audiences via illustrations and other forms of printed media. The course includes instruction in concept design, layout, paste up and other computer graphics techniques. This course is traditionally called “commercial art” but is based on the state task list that encompasses the latest advances in graphic design. This class gives students hands on experience in both classical and digital photography. Traditional lettering and calligraphy are also part of this course. **Fee: \$40.00.**

<b>Drafting 1-2/Beginning CAD</b>	<b>10, 11, 12</b>	<b>Year</b>
<b>086100</b>		

This is an exploratory technical drawing class concerned with the communication of ideas through drawing, sketches, and technical illustrations. Learning experiences are centered around the development of skills through the use of modern drafting machines, computer aided drafting systems, and instruments and techniques. The State Drafting Task List is the basis for this program. Students are required to have their own equipment which they can purchase through the school. **Fee: \$5.00.**

**Drafting 3-4** **11, 12** **Year**  
**Architectural Drawing**  
**086200**

This architectural and machine drawing course includes theory and drawing practice in both machine and architectural drawing or extensive work in either of the two areas. Blueprint reading, types of print reproduction and use of various types of drafting machines and computer systems will be emphasized. Students are required to have their own equipment which they can purchase through the school. Prerequisite: Drafting 1-2. Teacher Approval: Fowler. **Fee: \$5.00.**

**Architectural Drafting** **11, 12** **Year**  
**086430**

This course offers college credit for Architecture drafting. Students are required to have their own equipment which they can purchase through the school. Teacher Approval: Fowler. **Fee: \$5.00.**

**Computer Aided Drafting** **11, 12** **Year**  
**086440**

This course offers college credit for computer drafting. Students will become proficient with the basic use of AUTO CAD 2005, as well as other commonly used industry software, such as Architectural Desktop. There will be a state competency test on completion. Teacher Approval: Fowler. **Fee: \$5.00.**

**Occupational Drafting 1-4** **11, 12** **Year**  
**Computer Aided**  
**096301**

This applied technology class is designed to help the student become proficient in basic drafting as well as familiar with several specific areas within the drafting field. The course will prepare students for advanced training in a technical college or university or for an entry level job in the drafting industry. Emphasis will be placed on proficiency of the use of Computer Aided Drafting (CAD) equipment and AutoCAD 2005 Software. Students are required to have their own equipment which they can purchase through the school. **Teacher Approval: Fowler. Fee: \$5.00.**

**Electrical Trades** **11, 12** **Year**  
**Career Counselor Approval** **Palmer**  
**Taught: 1400 East 4336 South** **2 Periods**

This ATE course prepares individuals to install, maintain, and repair electrically-energized systems such as residential, commercial, wiring, and electrical distribution panels. Practical wiring experience is provided through the home building project. Students must provide their own transportation. **Choose one (1) two-period block from:** Morning classes: 1&2. Afternoon Classes: 3&4.

<b>Graphics 1-2</b> <b>086500</b>	<b>10, 11, 12</b>	<b>Year</b>
<p>This is the first of a sequence of courses that prepares individuals to apply technical knowledge and skill to plan, prepare, and execute commercial and industrial visual images and print products, using mechanical, electronic, and digital graphic and printing equipment. These courses are based on the National Printing Association (PIA) task list. Students design and print letterhead, envelopes, t-shirts, and stickers. Other projects include web development, audio and video editing. <b>Fees: \$40.00 per semester.</b></p>		
<b>Graphics 3-4</b> <b>086600</b>	<b>10, 11, 12</b>	<b>Year</b>
<p>This is the second sequence of courses that prepares individuals to apply technical knowledge and skills to plan, prepare, and execute commercial and industrial visual images and print products, using mechanical, electronic, and digital graphic and printing equipment. These courses are based on the National Printing Association (PIA) task list. <b>Fees: \$40.00 per semester. Teacher Approval: Nelson.</b></p>		
<b>Graphics 5-6 (Occupational)</b> <b>096501</b>	<b>11, 12</b>	<b>Year</b>
<p>Occupational graphics provides advanced training in desktop publishing, offset press production and screen printing. Students learn job bidding and estimating, and they work on school production printing and other commercial quality jobs. This course is designed to transition the graphics students from school to work through portfolios and resume development, job applications, interviews, and internships. <b>Fee: \$40.00 per semester. Teacher Approval: Nelson.</b></p>		
<b>JROTC</b> <b>Career Counselor Approval</b> <b>Taught at Taylorsville High</b> <b>Beginning Students</b> <b>3<sup>rd</sup> Year Students</b>	<b>11, 12</b> <b>Palmer</b>	<b>Year</b>
<p>This JROTC course is designed for students interested in enriching their high school experience with a military experience. Students participate in physical training, drill, marksmanship, political science, and additional military training. The program is open to both male and female students. Continued military service beyond high school is not required. Students will be provided an army uniform and will be required to wear uniforms once a week. Students must provide their own transportation.</p>		
<b>Law Enforcement</b> <b>093400</b>	<b>11, 12</b>	<b>Semester</b>
<p>This occupational course is an introduction to law enforcement. Course content includes the discussion of courtroom and trial procedures, important court cases, right of the accused, and problems related to law enforcement. This course provides an introductory background for students interested in the work of lawyers, police, prosecuting attorneys, and others involved in America's criminal justice system.</p>		

**Multimedia 1 (Development)**  
**091211**

**10, 11, 12**

**Year**

This course is the first of a series of courses that prepare students for jobs in Multimedia. Multimedia is the process of planning instructional design and development. A basic understanding of computers is a prerequisite to this course. Students learn to create presentations and cartoon animation for fun and professional use. Using the latest multimedia software, students can apply these creative and technical skills to other courses which require reports and presentations. Computer programs such as Photoshop, Flash, Dream Weaver are taught. Students create their own audio and video files to put on their web based portfolio. Video production including claymation, video editing are also explored. **Fee: \$20.00 per semester.**

**Multimedia 11 (Production)**  
**091221**

**11, 12**

**Year**

This class is an advanced multimedia course with instruction in graphics, authoring, and other interactive software. Students will learn skills for animation, video, for multimedia presentations. Students also learn advanced skills to create interactive computer applications elements of text, 2-D and 3-D graphics, animation, sound, video and digital imaging. Students need to be self directed learners and will be learners and be willing to work in teams. Multimedia production is a large portion of this course. **Fee: \$20.00 per semester.**

**Plumbing**  
**Career Counselor Approval**  
**Taught: 1400 East 4336 South**

**11, 12**  
**Palmer**  
**2 Periods**

**Year**

This course provides instructional and on-the-job training with installing and maintaining residential plumbing systems. Practical experience is provided through the Vocational Home Building project where students will help build an off-campus house. Students must provide their own transportation to the job site. **Choose one (1) two-period block from:** Morning classes: 5 & 6. Afternoon classes: 7 & 8.

**Academy of Travel and Tourism**  
**Prerequisite**  
**Career Counselor Approval**  
**Taught at Taylorsville**

**11, 12**  
**Application and Interview**  
**Palmer**  
**2 Periods**

**Year**

This is a two year program for juniors and seniors who wish to pursue a career in the travel and tourism industry. Students can earn up to 20 college credits. This course includes a paid internship. Students take two classes each semester at the academy school. Students must begin the program in the fall of their junior year and make a two-year commitment. **Students must fill out an application and interview before registering for this class.** Afternoon classes 7 & 8.

**Woodwork 1-2****083100****10, 11, 12****Year**

This basic woodwork course consists of designing, planning, and using hand and power equipment correctly and safely. Safe practices, design, finishes, and an introduction of the various woods and material available will be emphasized. Students will be required to pay for the wood used on their individual projects. **Fee: \$25.00.**

**Cabinet Making 1-4****093201****11, 12****Year**

This class prepares individuals to apply technical knowledge and skills needed to create custom cabinets, fine furniture, and architectural millwork. It stresses the safe use of trade hand tools and machinery used in the production of millwork items. Furniture and cabinets, such as kitchens and vanities are constructed, finished, and installed as part of this program. Students will be required to pay for the wood used on their individual projects. **Teacher Approval: Fowler. Fees: \$25.00.**

**Private Pilot Ground School****Taught at SLCC Meadow Brook****11, 12****Semester****2 Periods**

A study of aviation, fundamental, principles of flight, aircraft and engine operations, weather, navigation and radio communications as required by FAA regulations will be discussed. The course will prepare students to enter the cockpit and begin flight training. Space is limited. **A signature and course number must be received from Mr. Palmer in the Career Center before you are officially enrolled.** Morning classes 5 & 6.

**World Languages****American Sign Language****034810****10, 11,  
AMES****Year**

This class teaches American Sign Language and gives instruction about deafness and the Deaf Community. Expressive and receptive skills are emphasized, as well as grammar and vocabulary. Students should be aware that they are frequently asked to sign in front of the class with skits and stories. 5 hours of college credit may be awarded if the student passes the State Certification Test in May.

**American Sign Language 2****034820****10, 11, 12****Year**

This is a second year of American Sign Language which continues to emphasize what is learned in ASL 1 and also emphasizes interpretation of English into ASL and more fluent use of the language. 5 hours of college credit may be awarded if the student passes the State Certification Test in May. **Prerequisite: American Sign Language 1.**  
**Application required.**

**American Sign Language 3****034830****11, 12****Year**

This class will continue in ASL language, emphasizing fluency, both in signing and reading signs. This class is meant for the serious ASL student who is interested in interpreting as a career.

<b>French 1</b> <b>031100</b>	<b>10, 11, 12</b> <b>AMES 10 -12</b>	
This course emphasized the four language skill of listening, speaking, reading, and writing. Students will learn to express basic needs, greetings, likes and dislikes; to ask and answer questions, respond to directions and requests, and to exchange personal information and ideas. Students will also compare French and American cultural practices.		
<b>French 2</b> <b>031200</b>	<b>10, 11, 12</b> <b>AMES 9-12</b>	<b>Year</b>
This course continues the development of speaking, listening, reading, and writing skills. Students will learn to respond to target language information encountered in daily life, narrate events, explain a process, produce formal and informal written communication, analyze cultural differences, and explore French visual arts, literature, music and drama, history, and geography. <b>Prerequisite: French 1 or equivalent.</b>		
<b>French 3</b> <b>031300</b>	<b>10, 11, 12</b> <b>AMES 10-12</b>	<b>Year</b>
This course stresses more elaborate grammar structures. It encourages increased usage of the reading, writing and speaking skills. Students will converse with language and behavior appropriate to the setting, deal with familiar survival situations and use contextual clues to determine meaning. <b>Prerequisite: French 2 or equivalent.</b>		
<b>French 4</b> <b>031400</b>	<b>11, 12</b> <b>AMES 11-12</b>	
This course emphasizes the classics, writing and conversation. Students will respond to material intended for native speakers, analyze the French culture through the Fine Arts and present a quarterly presentation to an audience. <b>Prerequisite: French 3.</b>		
<b>Latin 1</b> <b>033100</b>	<b>10, 11, 12</b> <b>AMES 10</b>	<b>Year</b>
This course is designed for students with highly-developed languages skills. Construction of the Latin language is studied step by step to develop ease in reading and an understanding of grammatical structure. Vocabulary study is related to English words derived from Latin. Reading selections deal with Roman and Greek history, culture, and myths. Verbally learn to express greetings, needs and develop questioning skills. Comparisons are made between Roman and American lifestyles.		
<b>Latin 2</b> <b>033200</b>	<b>11, 12</b> <b>AMES 10</b>	<b>Year</b>
This course is designed to further develop skills taught in Latin 1. Students will explore practices regarding speech, literature, culture and history. The curriculum is demanding, but student commitment is rewarded. <b>Teacher approval: Liddle.</b>		
<b>Latin 3</b>	<b>11, 12</b>	<b>Year</b>
This course is a review of forms as well as a study of the great Latin authors including Virgil, Cicero, Julius Caesar, and Catullus in the original Latin. Students explore visual arts, music and drama in the target language. <b>Teacher Approval: Liddle.</b>		

<b>Spanish 1</b> <b>034100</b>	<b>10, 11, 12</b> <b>AMES 10</b>	<b>Year</b>
Students will develop basic oral auditory and written communication in the target language in order to interact on familiar topics. Collaborative efforts will be made to produce dialogues and situations needed for familiar survival situations. Students will develop an understanding and sensitivity to target cultures. <b>Hispanohablantes no permitidos.</b>		
<b>Spanish 2</b> <b>034200</b>	<b>10, 11, 12</b> <b>AMES 10-12</b>	<b>Year</b>
Skills will continue to develop oral, written and listening skills in the target language. Students will also understand, interpret and respond to written and spoken language on a variety of topics. Students will also explore and analyze differences across the cultures. <b>Prerequisite: Spanish 1 or equivalent. Hispanohablantes no permitidos.</b>		
<b>Spanish 3</b> <b>034300</b>	<b>10, 11, 12</b> <b>AMES 10-12</b>	<b>Year</b>
This course is a through review and extension of all material learned in the first two levels with emphasis on proficiency of complex oral and written communication. Students will be able to use complex structures to analyze cultural diversity, discuss geographic economic, political and historical factors affecting target cultures, explore visual arts to understand cultural perspectives and compare idiomatic expressions between student's language and the target language. <b>Prerequisite: Spanish 2 or equivalent. Hispanohablantes bienvenidos.</b>		
<b>Spanish CC</b> <b>CC Span 1010, 1020</b> <b>034650</b>	<b>11, 12</b> <b>AMES 11-12</b>	<b>Year</b>
This is an intense course which focuses on the skills of listening, speaking, reading, writing and culture to develop functional language ability in survival and social situations. The emphasis is on proficiency. Students may earn a total of 10 college credits through SLCC. Course content, text and final exams are identical to on-campus classes. Previous experience in Spanish is encouraged but not required. Lab attendance is required either by way of using SLCC's conversation lab or taking independent study. Participation in the concurrent enrollment begins the student's college experience and a permanent college transcript. Sophomores may enroll in this course conditional on pre-examination by Mrs. Gracia. <b>Teacher Approval: Gracia. Hispanohablantes bienvendios.</b>		

<b>Spanish for Native Speakers (SNS)</b>	<b>10, 11, 12</b>	<b>Year</b>
<b>034660</b>	<b>AMES 9-12</b>	

This course is intended for students whose first language is Spanish, or are very advanced in Spanish and want a total emersion experience. It is designed for students who have been formally exposed to listening, speaking, reading and writing in Spanish and are interested in polishing their skills and acquiring new ones in their native language. It includes a through review of the grammar and orthography rules. Students will read and write extensively, give oral presentations, and participate in debates, all while learning about the fundamental grammatical structures of Spanish and the many ways this language can be used in both formal and informal settings.

<b>Espanol para hispanohablantes 1</b>	<b>10, 11, 12</b>	<b>Year</b>
<b>034660</b>	<b>AMES 9-12</b>	

Este curso es designado para los estudiantes que tienen español como primera lengua o que son tan avanzados en español que desean una experiencia de emersión total. Es designado para los que han sido expuestos formalmente al escuchar, hablar, leer y escribir en español y están interesados en refinar sus habilidades y adquirir nuevas habilidades en su lengua nativa. El curso incluye un repaso de las reglas de la gramática y de la ortografía. Los estudiantes leerán y escribirán bastante, darán presentaciones y participarán en debates, todo mientras aprenden las estructuras fundamentales de español y las muchas maneras en que se puede emplear esta lengua en situaciones formales e informales.

<b>Spanish for Native Speakers 2 (SNS)</b>	<b>10, 11, 12</b>	<b>Year</b>
<b>034670</b>	<b>AMES 10-12</b>	

This course is designed to follow the first level. Students will learn to discuss politics, physical and mental health, nutrition, computers, accounting, comerce, ecology and math. We will study all of this while reviewing gramatical and ortographical rules. Students will read and write extensively, give presentations and participate in debates.

<b>Espanol para hispanohablantes 2</b>	<b>10, 11, 12</b>	<b>Year</b>
<b>034670</b>	<b>AMES 10 -12</b>	

Este curso es designado para seguir el primer nivel. Aprenderán a discutir la política, la salud física y mental, la nutrición, las computadoras, la contabilidad, el comercio, la ecología y las matemáticas. Estudiaremos todo esto mientras repasemos las reglas de la gramática y de la ortografía. Los estudiantes leerán y escribirán bastante, darán presentaciones y participarán eebates

<b>Spanish Language AP</b>	<b>11, 12</b>	<b>Year</b>
<b>034600</b>	<b>AMES 11 -12</b>	

The AP Course in Spanish is designed to parallel the skill development of a third-year college Spanish course in advanced composition and conversation. The course therefore focuses on the mastery of listening, speaking, reading, and writing skills. Students who enroll should already have a reasonable proficiency in reading, writing, listening and speaking. At the completion of the course the student should be able to pass the AP Spanish Language exam/or challenge the college departmental placement exam for credit. **Teacher Approval: Gracia. Hispanohablantes bienvenidos.**

**Spanish 5** **11, 12** **Year**  
**Independent Study**  
**034900**  
 This course is designed for students who are enrolled in AP or concurrent (CC) Spanish classes. The course is an extension of the AP/concurrent classes and meets the CC Lab requirement. No additional course work is required; time will be used for additional instruction and tutoring as well as completion course work and preparing for CC and AP exams. This class meets once a week. **Teacher Approval: Gracia. Hispanohablantes bienvenidos.**

**Other Offerings**

Credit for service classes is limited to one unit of credit during grades 11 and 12 except for library aide and stagecraft.

**Library Assistant** **11, 12** **Semester**  
**068201 – 1<sup>st</sup> Semester**  
**068202 – 2<sup>nd</sup> Semester**

Library aides will learn to assist students and staff with information access including print resources and electronic databases. They will learn to circulate library resources. They will organize and process library resources, as well as they will assist in maintaining the physical appearance of the library. **Teacher Approval: Siebach**

**Office Assistant** **11, 12** **Semester**  
**068300**

Students will assist with clerical and phone tasks. Students learn to follow instructions, to handle electronic phone systems, and to execute office operations. They also have the satisfaction of making productive contributions to the school. **Counselor Approval.**

**Released Time** **10, 11, 12** **Year**  
**008201 – 1<sup>st</sup> Semester**  
**008202 – 2<sup>n</sup> Semester**

See Seminary personnel or personal ward bishop to complete registration.

**Stagecraft** **10, 11, 12** **Year**  
**019900**

Students will work directly with the stage manager on lighting, sound systems, and sets. Productions will include those of drama and choral school groups as well as commercial groups. **Teacher Approval: Siebach.**



**Welcome to the... GRANITE TECHNICAL INSTITUTE**

The Department of Career and Technical Education in Granite School District has a well-earned reputation for providing high- quality programs that are targeted at high-demand industries. To further this focus, *The Granite Technical Institute* offers courses in Health Science & Technology, Engineering, Information Technology, Culinary Arts, Aviation, Agriculture, Cosmetology/Barbering, and Home Building/Construction.

The **mission** of the *Granite Technical Institute* is to support students in finding personal purpose, potential and a pathway to their future. This is accomplished by helping students achieve in their program and to move seamlessly to further training and employment. Efforts are being made to directly align critical academic subjects with career and technical education courses, thus promoting real-world application to academic theory in such areas as mathematics, science and English. In addition, articulation and collaboration with Salt Lake Community College and other post-secondary institutions is being enhanced in order to make the transition to further education easier for students. Clear pathways of training have been designed to support student growth from the 9<sup>th</sup> through the 12<sup>th</sup> grades. Courses being offered during the 2008-2009 school year are included in the pages that follow.

**\*Busing will be provided for students twice daily from the student’s home high school to the GTI. All courses listed in this catalog will be taught at the Granite Technical Institute (2500 South State Street) unless otherwise specified. This schedule is designed to accommodate the two-period block enrollments. Students interested in registering for these courses should see the Career Center Coordinator at their high school. Questions regarding the Granite Technical Institute can be directed to James Taylor at 646-4350.**

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## **HOW TO REGISTER**

In order to register for any of the classes offered through the Granite Technical Institute, students must first pick up an application in the Career Center of their high school. Once the application is complete and signed by both the student and their guardian, it should be returned to the Career Center for review and approval by the Career Center Coordinator. The Career Center Coordinator will then help the student determine whether or not additional information is required and will help facilitate the scheduling process. A copy of the application will be sent to the Granite Technical Institute.

### **9<sup>th</sup> Grade Student Procedure**

Ninth grade students who wish to access designated courses must work out their class schedules individually with their guidance counselor. They must also arrange their own transportation to and from the nearest high school, where they will catch the bus to the G.T.I. The bell schedules and the bus schedule for the G.T.I. are available at <http://gti.graniteschools.org>

Once a ninth grade student has determined the course(s) he/she is interested in taking, the guidance counselor will e-mail the student's name, student number, the course(s) requested, and periods requested to [krystal.dial@granite.k12.ut.us](mailto:krystal.dial@granite.k12.ut.us). Krystal will then enroll the student on "Discovery" and notify the counselor regarding the student's acceptance.

**All applications must be submitted to the Granite Technical Institute by March 28, 2008.**

## **HEALTH SCIENCE TECHNOLOGY**

### **INTRO TO HEALTH SCIENCE & TECHNOLOGY**

*Semester (1 period block) 9 – 12 grades*

*Periods: 3A or 2B both first and second semester*

This semester course is designed to create an awareness of career possibilities in health care and inform students of the educational options available for health science and health technology programs. Instruction includes beginning anatomy and physiology, medical terminology, medical ethics, diseases and disorders.

**This course is typically taken in conjunction with either Health II or EMS.**

### **HEALTH II (General Health)**

*Semester (1 period block) 9 – 12 grades*

*Periods: 4A both first and second semester*

This course helps students establish patterns of behavior that will assist them 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. **This course meets the health core requirement.**

### **EMS (Emergency Medical Services)**

*Semester (1 period block) 9 – 12 grade **Lab Fee Required***

*Periods: 1B both first and second semester*

This semester course provides students with advanced emergency medical information and skills. The course introduces students to a variety of career options in emergency medicine along with preparing students to take nationally recognized tests and certification in First Aid, CPR and Emergency Response. Students will learn basic skills prior to enrolling in EMT, nursing assisting, medical assisting and dental assisting courses. **This course offers W.S.U. Concurrent Enrollment credit (HLTH 2300) for qualified 11<sup>th</sup> and 12<sup>th</sup> grade students.**

## **MEDICAL ANATOMY & PHYSIOLOGY**

*Full Year (2 period block) 11 – 12 grades Lab Fee Required*

*Periods: 1A-2A or 3A-4A*

This course provides students with an in-depth study of the human body and includes medical terminology, diseases and disorders, medical ethics and first aid. The class is designed to prepare students for a variety of health careers and to prepare them to succeed in a variety of health technology programs. Actual clinical experiences and service learning experiences help students decide if they should pursue a health occupation. **This course must be taken for S.L.C.C. Concurrent Enrollment credit (BIOL1110, 3 Credits).** **This course may also be taken to fulfill a third Science credit requirement.**

## **MEDICAL TERMINOLOGY**

*Semester (2 period block) 9 – 12 grades Lab Fee Required*

*Periods: 1A-2A, 3A-4A, 1B-2B, or 3B-4B both first and second semester*

This class consists of lecture and video presentations. Students learn the meanings and pronunciations of prefixes, roots, and suffixes that combine to form over 11,000 medical terms. This is essential knowledge for any health career. **This course offers S.L.C.C. Concurrent Enrollment credit (MA1100, 2 Credits) for qualified 11<sup>th</sup> and 12<sup>th</sup> grade students. Medical Terminology is a prerequisite for Medical Assisting and Pharmacy Technician and recommended for Certified Nurse Assisting.**

## **BIOLOGY 1-2**

*Semester (2 period block) 10 – 12 grade Lab Fee Required*

*Periods: 1B-2B both first and second semester*

This course is designed to cover basic biological topics and to teach students how to use inquiry skills. Students will learn how living organisms interact with one another and with their environment. Other topics include biological molecules, the structure of organisms, organs and organ systems, the structure of DNA, and biological diversity as a result of evolution. **This course meets the science core credit.**

## **BIOTECHNOLOGY 1010 (First Year)**

*Semester (2 period block) 11 – 12 grades Lab Fee Required*

*Periods: 1A-2A, 3A-4A or 3B-4B*

Biotechnology 1010 is an introductory level course which leads to many exciting careers in science, medicine and forensics. In biotechnology, our knowledge of biological organisms is applied to solving problems that occur in the real world. Topics covered include: microbiology, genetics, bioinformatics, proteomics, genomics, forensics, agriculture, stem cell research, and genetically modified organisms. Students gain extensive lab skills as each of the course's topics are investigated in a hands-on way. **This course must be taken for S.L.C.C. Concurrent Enrollment credit (BTEC1010, 3 Credits).** **This course may also be taken to fulfill a third Science credit requirement.**

## **BIOTECHNOLOGY 1020 (Second Year)**

*Full year (2 period block) 12<sup>th</sup> grade Lab Fee Required*

*Periods: Individually Determined*

**Prerequisite: Biotech 1010 or concurrent with Biotech 1010 with special approval**

Students will participate in an **internship** with a local biotech company as part of a Contract Research Organization (CRO). The internships available include research, information technology, and business management. All students will work with highly experienced professionals. This is a year long course that will meet for two periods every other day. However, in rare cases and with special approval, the internship can be accomplished after school and/or during the summer. **Interested students will work directly with Mr. Tuttle at the G.T.I. to arrange internships and to determine class periods. This course must be taken for S.L.C.C. Concurrent Enrollment credit (BTEC1020, 2 Credits).** **This course may also be taken to fulfill a third Science credit requirement.**

## **DENTAL ASSISTING I**

*Semester (2 period block) 11 – 12 grades Lab Fee Required*

*Periods: 1A-2A, 3A-4A, 1B-2B, or 3B-4B both first and second semester*

***Prerequisite: 2.0 G.P.A. and 2.0 C.P.A. are required to enroll in this program.***

Dental Assisting I introduces students to the field of dental assisting. Students will learn basic patient care skills in preparation to assist a dentist or dental hygienist in functions of a dental practice. Skills include: infection control procedures, instrument sterilization, patient preparation, examination, preventive care, dental radiographic techniques, diagnostic study models, bleaching trays, introduction to dental materials and restorative procedures.

## **DENTAL ASSISTING II**

*Semester (2 period block) 11 – 12 grades Lab Fee Required*

*Periods: 1A-2A, 3A-4A, 1B-2B, or 3B-4B second semester*

***Prerequisite: B- average in Dental Assisting I***

Dental Assisting II offers the student the opportunity to practice skills, learn restorative, cosmetic and surgical procedures. Students will spend class periods participating in patient care at the Family Dental Plan Granite Clinic located at the GTI. New expanded functions include crown and bridge, endodontics, surgical procedures, front office skills including Dentrix.

A 90 hour externship, in a dental office of students choosing, is required.

## **MEDICAL ASSISTING**

*Full year (two period block) 12<sup>th</sup> grade Lab Fee Required*

*Periods: 1A-2A, 1B-2B, or 3B-4B*

***Prerequisite: Medical Terminology or concurrent with Medical Terminology first semester. 2.0 G.P.A. and 2.0 C.P.A. are required to enroll in this program.***

This program prepares students to assist physicians by performing functions related to both business administration and clinical duties in a medical office. The business aspect of instruction covers insurance, bookkeeping, medical terminology, and general office management. Clinical study includes providing physician assistance during patient examinations, treatment, administration and monitoring. Students learn to keep patient and related health record information and to perform clinical, administrative and laboratory duties. A 160 hour externship is required for completion of this course. Students must have good social skills, good attendance, and the ability to get themselves to their clinical experiences. Students must obtain the series of three immunizations for hepatitis. This course serves as an introduction to a variety of health related fields.

## **EMT (Emergency Medical Technician)**

*Full year (2 period block) 12 grade Lab Fee Required*

*Periods: 1A-2A or 3B-4B*

***Prerequisite: 2.0 G.P.A. and 2.0 C.P.A. are required to enroll in this program.***

This program prepares students to perform initial medical assessment, treatment, and comprehensive care in medical crises, under the general supervision of a coordinating physician. Instruction includes all aspects of basic health care, disease disorder, injury diagnosis, emergency treatment procedures for various injuries and disease outbreaks. Students learn theory and then participate in extensive skill practice sessions with EMTs. Successful students take the Bureau of Emergency Medical Services exam to become a Certified EMT. **This course offers Weber State University Concurrent Enrollment credit (PAR 1000, PAR 1001) for qualified students.**

## **CERTIFIED NURSE ASSISTING**

*Semester (2 period block) 11-12 grade Lab Fee Required*

*Periods: 1A-2A, 3A-4A, 1B-2B, or 3B-4B both first and second semester*

***Note: It is suggested that students take Medical Terminology prior to taking this course***

***Prerequisite: 2.0 G.P.A. and 2.0 C.P.A. are required to enroll in this program. CNA's must have a food handlers permit in order to attend clinicals and to work in any health care facility.***

This program prepares students 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. Students learn basic nursing skills such as taking and recording vital signs and recognizing abnormal changes in body functioning. Basic areas of study include: basic nursing skills, personal care skills, mental

health and social service needs, care of cognitively impaired residents, basic restorative services and resident rights. A 50 hour clinical experience is required in a nursing facility to complete course requirements. Clinicals are from 3:00 – 8:00 p.m. one day per week and a total of two Saturdays from 7:00 a.m. – 3:00p.m. Students must supply their own uniforms, watches with sweep second hands, white shoes, pens, and small notebooks. Some College and University nursing programs require a CNA for admission to their program. An additional .25 credit will be earned by completing clinical hours. Students must have good social skills, good attendance, and the ability to get themselves to their clinical experiences.

### **PHARMACY TECHNICIAN**

*Full Year (two period block) 12<sup>th</sup> grade **Lab Fee Required***

*Periods: 1A-2A or 1B-2B*

***Prerequisite: Medical Terminology or concurrent with Medical Terminology. 2.0 G.P.A. and 2.0 C.P.A. are required to enroll in this program.***

This program prepares students to support pharmacists by providing assistance during patient consultation, counter dispensing operations, and prescription preparation. Students will also be trained to keep patient and related health record information and to perform a wide range of practice-related duties for both retail and hospital-based pharmacies. Students must have good social skills, good attendance, and the ability to get themselves to their externship experiences. **Students must maintain a “B” average and complete a 180 hour externship in addition to course work for successful licensure with the state of Utah.**

## **ENGINEERING TECHNOLOGY PROGRAMS**

*The engineering technology program is a hands-on, project-based approach to learning that better prepares students for entrance into college engineering and/or engineering technology programs. Coursework uses real-world problem solving that answers the students’ age-old question, “Why do I need to know this?” There are five courses in the Engineering Technology Sequence. Course content is designed to help all students explore how engineers and engineering technicians integrate math, science, and communications skills into their profession. Engineering Technology students will engage in the research, design, and construction of models/prototypes in a variety of areas including: electrical, fluid, structural, and mechanical systems.*

### **PRINCIPLES OF ENGINEERING**

*Semester (2 period block) 9 - 12 grade **Lab Fee Required***

*Periods: (1B-2B, or 3B-4B first semester) (1B-2B second semester)*

***Prerequisite: Students who wish to take this course for concurrent enrollment credit must first complete CIS 1020 (Computer Technology)***

This course allows students to explore various technology systems and manufacturing processes in order to better understand the world of engineering and engineering technology. Students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people and advance our society. This course also includes concerns about social and political consequences of technological change. **This course offers S.L.C.C. Concurrent Enrollment credit (ENG 1100, 2Credits) for qualified 11<sup>th</sup> and 12<sup>th</sup> grade students. This course may also be taken to fulfill a third Science credit requirement.**

### **INTRODUCTION TO ENGINEERING DESIGN**

*Semester (2 period block) 9 - 12 grade **Lab Fee Required***

*Periods: (3A-4A first semester) (1A-2A or 3B-4B second semester)*

***Prerequisite: Students who wish to take this course for concurrent enrollment credit must first complete CIS 1020 (Computer Technology) and ENG 1100 (Principles of Engineering).***

This course teaches students the design process through the use of computer modeling software. Students will learn problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software. **This course offers S.L.C.C. Concurrent Enrollment credit (ENG 1600, 3Credits) for qualified 11<sup>th</sup> and 12<sup>th</sup> grade students. This course may also be taken to fulfill a third Science credit requirement.**

### **COMPUTER INTEGRATED MANUFACTURING**

*Semester (2 period block) 10 - 12 grade Lab Fee Required*

*Periods: (1A-2A first semester) (3A-4A second semester)*

***Prerequisite: Principles of Engineering and Introduction to Engineering Design***

This course will teach students the concepts of robotics and automated manufacturing by creating three-dimensional designs with modeling software and producing models of their designs. This course builds on computer solid modeling skills developed in Introduction to Engineering Design. Students use CNC equipment to produce actual models of their three-dimensional designs. Fundamental concepts of robotics used in automated manufacturing, and design analysis are included.

### **ELECTRONICS, DC**

*Semester (1 period block) 10 – 12 grade Lab Fee Required*

*Periods: 1A first semester*

***Prerequisite or Co-requisite: Math 1050 or Pre-Calculus for students who wish to take this course for concurrent enrollment credit.***

This course covers basic electronics theory for DC fundamentals, circuit analysis and troubleshooting. Students learn the use of electronics test equipment such as digital meters, power supplies, and bread-boarding. **This course offers S.L.C.C. Concurrent Enrollment credit (ELET 1011, 3 Credits) for qualified 11<sup>th</sup> and 12<sup>th</sup> grade students. This course may also be taken to fulfill a third Science credit requirement.**

### **ELECTRONICS, AC**

*Semester (1 period block) 10 – 12 grade Lab Fee Required*

*Periods: 2A first semester*

***Prerequisite or Co-requisite: Math 1060 or Pre-Calculus for students who wish to take this course for concurrent enrollment credit.***

This course covers basic electronics theory and AC fundamentals, circuit analysis and troubleshooting. Students learn the use of electronics test equipment such as meters, oscilloscopes, and function generators. **This course offers S.L.C.C. Concurrent Enrollment credit (ELET 1012, 3 Credits) for qualified 11<sup>th</sup> and 12<sup>th</sup> grade students. This course may also be taken to fulfill a third Science credit requirement.**

### **DIGITAL ELECTRONICS**

*Semester (2 period block) 10 - 12 grade Lab Fee Required*

*Periods: 1A-2A second semester*

***Prerequisite: Principles of Engineering and Introduction to Engineering Design are recommended prior to enrolling in this course.***

Students will use computer simulations to learn about the logic of electronics as they design, test, and actually construct circuits and devices. This is a course in applied logic that encompasses the application of electronic circuits and devices. **This course may also be taken to fulfill a third Science credit requirement.**

### **PHYSICS WITH TECHNOLOGY**

*Semester (2 period block) 9 - 12 grade Lab Fee Required*

*Periods: (1A-2A, 3A-4A, or 1B-2B first semester) (1A-2A, 1B-2B, or 3B-4B second semester)*

This is a hands-on course designed to cover the physics core through technology application. Content includes: measuring, calculating and describing the motion of an object in terms of position, time, velocity and acceleration; the relationship between force, mass and acceleration; factors that determine the strength of gravitational and electrical forces; transfer and conservation of energy; and properties and applications of waves. **This course meets the science core credit.**

## INFORMATION TECHNOLOGY

*Information technology programs include the study, design, development, implementation, support and/or management of computer hardware, software applications, multimedia, computer-based information systems, and integration services. Information technology coursework is divided into four specialty strands. These include:*

*Information Support & Services*

*Interactive Media*

*Network Systems*

*Programming & Software Development*

*Students may choose to take a sequence of courses in one specialization strand or they may take courses across each strand to gain a broader understanding of the information technology industry.*

## INTRODUCTION TO INFORMATION TECHNOLOGY

*Semester (1 period block) 9 - 12 grade*

*Period: 1A both first and second semester*

This semester course is for students interested in pursuing a career in the field of Information Technology and is a required course for entry into the Academy of Information Technology. Students will complete assignments and projects in multimedia, web page design, databases, computer hardware, networking, programming and software development. The goal of this course is to help students interested in an information technology career decide which facet of IT to pursue. Other topics such as ethics, security, and privacy will be covered. **This course is typically taken in conjunction with Visual Basic Programming .Net.**

## VISUAL BASIC PROGRAMMING .NET

*Semester (1 period block) 9 - 12 grade*

*Period: 2A both first and second semester*

This semester course is an introduction to computer programming using Visual Basic .NET. Students will learn problem-solving and object-oriented programming as they design, code, and test their own programs. Students will learn VB.NET syntax, graphical user interfaces (GUI), and simple control and data structures. Students will produce a simple graphical game as their final project. This class is a good introduction to Computer Programming I. **This course is typically taken in conjunction with Introduction to Information Technology.**

## C# COMPUTER PROGRAMMING

*Semester (2 period block) 9 - 12 grade*

*Periods: 3A-4A both first and second semester*

This course introduces students to fundamental programming skills needed for game creation and other similar applications. Students will learn problem solving as they design, code, and test their own programs. This course provides students with the knowledge and skills needed to develop applications by learning C# syntax, I/O, decision and repetition control structures. Students will become familiar with object-oriented programming as they design and code classes that may be used in games. As students advance toward more complex data structures, they will use their creativity to make a final game-like project.

## COMPUTER PROGRAMMING I

*Full Year (1 period block) 11 – 12 grade*

*Period: 3B*

***Prerequisites: prior programming experience, Visual Basic Programming, Intro to Information Technology, or C# Computer Programming***

This yearlong course introduces students to computer fundamentals. Students will learn problem solving as they design, code, and test their own programs. Students will learn JAVA syntax, I/O, decision and repetition control structures. Students will then move on to object-oriented programming and more complex data structures. They will learn how to use arrays, classes, recursive processes, and text files. **This course must be taken for S.L.C.C. Concurrent Enrollment credit (CS1400 3 Credits & CS1410 4 Credits). This course may also be taken to fulfill a third Math credit requirement. This course is typically taken in conjunction with Oracle I.**

## **ORACLE I (DATABASE DEVELOPMENT)**

*Full Year (1 period block) 11 – 12 grade*

*Period: 4B*

This course covers database fundamentals and database programming. Students participate in database development, modeling, design and normalization. Students use Oracle DBMS and the SQL database language to create, modify, and query databases. Dedicated students will be prepared to take the Oracle Certified Professional industry certification exam. Training for this program is provided through the Oracle Corporation. **This course is typically taken in conjunction with Computer Programming I.**

## **COMPUTER PROGRAMMING II**

*Full Year (1 period block) 12 grade*

*Period: 1B*

***Prerequisite: Computer Programming I***

This is an advanced yearlong course in computer programming/software engineering and applications. This course reviews and builds on the concepts introduced in Computer Programming I. New topics include: more complex data structures, object-oriented programming, data abstraction, and algorithm analysis and design. Students will develop problem-solving skills through designing, implementing, and executing computer programs. Students may compete in state competitions and apply programming skills as a part of a team. Students will be prepared to take the Advanced Placement Exam if they so choose. **This course may also be taken to fulfill a third Math credit requirement. This course is typically taken in conjunction with .Net Programming.**

## **.NET PROGRAMMING (Senior Projects Class)**

*Full Year (1 period block) 12 grade*

*Period: 2B*

***Prerequisite: Computer Programming I and concurrent enrollment in Computer Programming II***

This is an advanced yearlong course in computer programming and application development. It is designed to teach students .NET programming as they work in teams to design and implement complex applications. **This course is typically taken in conjunction with Computer Programming II.**

## **INTRO TO 3D ANIMATION**

*Semester Class (2 period block) 10-12 grade **Lab Fee Required***

*Periods: 1A-2A or 1B-2B both first and second semester*

This semester course offers an entry level study of the basic principles of 3D and 2D animation. Subject matter includes: 2D animation, timing, secondary motion, stretch & squash, basic 3D modeling, texturing, lighting, UV mapping, rigging and animating a model. This course has an emphasis on artistic principles and offers an art credit for those students interested in the 3D Industry. Students will learn basic principles such as layout and design, color theory, and basic drawing skills including: head drawings, gesture drawings, figure drawing and character drawing. In addition, animation planning, storyboard development, and the production process will be a large part of the course. **This course offers U.V.U Concurrent Enrollment credit for qualified 11<sup>th</sup> and 12<sup>th</sup> grade students. This course may also be taken for Art credit.**

## **ADVANCED 3D ANIMATION**

*Semester Class (2 period block) 10-12 grade **Lab Fee Required***

*Periods: 3B-4B both first and second semester*

***Prerequisite: Intro to 3D Animation***

This semester course offers an advanced level study of the principles of 3D and 2D animation. This course is designed to prepare students for entry into an internship or a college course giving them the skills to succeed in industry. Subject matters they will cover include: advanced polygonal modeling, nurbs modeling, advanced techniques for both game and movie industries, advanced lighting and texture, dynamics, environmental construction, advanced character rigging and animation. This course expounds on the *instructional* principles taught during the Intro to Animation class, but gives more time for student projects and critique. Students will continue to apply the art principles learned during the intro class, and the principles will be critiqued and applied in their final projects. These students will have the opportunity of working with our feeder schools, Utah Valley State College and Salt Lake Community College. They will have opportunities to interface and work with college professors helping to make the transition into

college and their desired field of study seamless. **This course offers U.V.U. Concurrent Enrollment credit for qualified 11<sup>th</sup> and 12<sup>th</sup> grade students. This course may also be taken for Art credit.**

### **ADVANCED MULTIMEDIA (Senior Projects Class)**

*Semester Class (2 period block) 12 grade **Lab Fee Required***

*or*

*Full Year (2 period block)*

*Periods: Students wishing to take this course must make individual arrangements with the instructor)*

**Prerequisite: Advanced 3D Animation**

This semester course offers seniors an opportunity to create and complete a portfolio necessary for internships, college programs and the job application process. Students will have the opportunity to work with real world situations, producing products both for the school district and local business, helping to give substance to their portfolios. Students will be critiqued every two weeks to measure their progress, quality of work, and to receive direction as to the overall layout, design and professionalism of the end product. This class is designed after a senior level college studio class better preparing students for what they will encounter once in college. In addition, part of this class will be designed around completing all necessary paperwork for entrance into college or an internship program.

### **COMPUTER MAINTENANCE (A+) CERTIFICATION**

*Semester (2 period block) 10 – 12 grade **Lab Fee Required***

*Periods: (3A-4A, 3B-4B first semester) (3A-4A second semester)*

In this course, students practice troubleshooting, maintenance, and upgrade of PC's. Course content covers setup, memory management, data back-up, and hardware/software diagnostic procedures. The course is designed to prepare students for the Comp TIA A+ certification exam. A+ certification is a testing program that certifies the competency of entry-level (9 months experience) service technicians in the computer industry. Earning A+ certification means that the individual possesses the knowledge, skills, and customer relation skills essential for a successful entry-level computer service technician, as defined by experts from companies across the industry. **This course offers S.L.C.C. Concurrent Enrollment credit (CS2320, 4Credits) for qualified 11<sup>th</sup> and 12<sup>th</sup> grade students.**

### **LINUX FUNDAMENTALS**

*Semester (2 period block) 10 – 12 grade **Lab Fee Required***

*Periods: 1B-2B first semester*

This semester course introduces students to the SLES9 Linux operating system. Students will learn initial concepts, installation, administration, system management, X-window system, TCP/IP, SAMBA for both workstations and servers. This course also prepares the student for the CompTIA Linux+ certification exam.

### **MICROSOFT CERTIFIED SYSTEMS ENGINEER (MCSE)-Vista**

*Semester (2 period block) 11 – 12 grade **Lab Fee Required***

*Periods: 1B-2B second semester*

This course focuses on installing and configuring the Windows Vista operating system, configuring networking and security, and applications and devices. This course satisfies one of the core MCSE/MCSA requirements. This course prepares students for the Microsoft 70-620 certification exam.

### **NETWORKING TECHNOLOGIES (NETWORK +)**

*Semester (2 period block) 11 – 12 grade **Lab Fee Required***

*Periods: 3B-4B second semester*

This course focuses on basic networking terms and concepts, the OSI model, transmission media, and protocols used by various vendors in LAN and WAN network implementation. This course is designed to prepare students for the CompTIA Network+ certification exam and is equivalent to 6 months of full time experience working with Peer-to-Peer and Server Client networks. 1/10/2008 10

## CULINARY ARTS

*It's no secret that the restaurant and food service industry is growing. In fact, it is estimated that from 2006 to 2016 the number of jobs in the restaurant and food service industry is projected to increase by 1.9 million, of which approximately 47,000 will be management positions! The National Restaurant Association Educational Foundation is working hard and getting results in helping to meet this need through initiatives such as its ProStart program which encourages high school students to consider careers in the restaurant and food service industry.*

### PROSTART I

*Semester (2 period block) 11 – 12 grade **Lab Fee Required***

*Periods: (1A-2A, 3A-4A, 1B-2B first semester) (1A-2A second semester)*

**Prerequisites: Foods I and Foods II. 2.0 G.P.A. and 2.0 C.P.A. are required to enroll in this program.**

This course focuses on preparing students for careers in the restaurant industry. Students will learn skills dealing with customer relations, food preparation, menu planning, cost controls, marketing, management, and communication. Students will also be required to develop a professional portfolio related to food services. A nationally accepted certification is available upon completion of ProStart I and II. **This course offers S.L.C.C. Concurrent Enrollment credit (CHEF 1110, 3Credits or CHEF 1120, 3Credits) for qualified 11<sup>th</sup> and 12<sup>th</sup> grade students.**

### PROSTART II

*Semester (2 period block) 11 – 12 grade **Lab Fee Required***

*Periods: 3A-4A or 1B-2B second semester*

**Prerequisites: Foods I and Foods II. 2.0 G.P.A. and 2.0 C.P.A. are required to enroll in this program.**

This is an advanced course in restaurant management. Students will gain further skills in the areas of customer relations, food preparation, menu planning, cost controls, marketing, management, and communication. Students will also continue development of their professional portfolio. A 400 hour internship is required for the successful completion of this course. Students must have good social skills, good attendance, and the ability to get themselves to their internship experiences. A nationally accepted certification is available upon completion of ProStart I and II. Scholarships are available for students who pass the National Restaurant Association exam. **This course offers S.L.C.C. Concurrent Enrollment credit (CHEF 2520, 3Credits) for qualified 11<sup>th</sup> and 12<sup>th</sup> grade students.**

## PROFESSIONAL PILOT PROGRAM—AVIATION

In cooperation with Salt Lake Community College, high school students may enroll in the Aviation courses listed below and receive **concurrent enrollment credit from SLCC. Students will typically enroll for two courses each semester; for instance, (1A-2A, 1B-2B) or (3A-4A, 3B-4B). Exceptions to this format must be arranged through the G.T.I. Administration.** Simulator time will be scheduled outside of class time. **This program will be taught at the G.T.I. starting in 2008.**

### AVIATION HISTORY

*Semester (2 period block) 11 – 12 grade **Lab Fee Required***

*Periods: 1A-2A or 3A-4A second semester*

The history of aviation from the earliest times through the modern jet age will be covered. Students will discover significant aviation developments and how they came about. **This course must be taken for S.L.C.C. Concurrent Enrollment credit (PILT 1050, 3 credits).**

### AVIATION WEATHER

*Semester (2 period block) 11 – 12 grade **Lab Fee Required***

*Periods: 1B-2B or 3B-4B second semester*

This course will introduce students to the effects of weather on aviation. Specific emphasis will be placed on weather information available to a pilot, and the hazards of weather to aviation operations. **This course must be taken for S.L.C.C. Concurrent Enrollment credit (PILT 1020, 2 credits).**

### **PILOT GROUND SCHOOL**

*Semester (2 period block) 12 grade Lab Fee Required*

*Periods: 1A-2A or 3A-4A first semester*

A study of aviation fundamentals, principals of flight, aircraft and engine operations, weather, navigation, and radio communications as required by FAA regulations will be covered by this course. Students will be prepared to begin flight training. **This course must be taken for S.L.C.C. Concurrent Enrollment credit (PILT 1100, 4 credits).**

### **HUMAN FACTORS AND SAFETY**

*Semester (2 period block) 12 grade Lab Fee Required*

*Periods: 1B-2B or 3B-4B first semester*

Pilot performance affected by training, environment, stress, fatigue, and cockpit design will be discussed. A study of accidents and pilot error as they relate to safety will also be covered by this course. In addition, students will study illusions, vertigo, and disorientation. **This course must be taken for S.L.C.C. Concurrent Enrollment credit (PILT 1310, 3 credits).**

### **AVIATION ORIENTATION**

*Second Semester 12 grade Lab Fee Required*

*This course is scheduled after school at SLCC's airport facility.*

Students will be introduced to many aspects of the aviation industry, job opportunities, flight program, procedures, and how to finance flight training. Students will be given the opportunity to meet with industry personnel. **This course must be taken for S.L.C.C. Concurrent Enrollment credit (PILT 1040, 1 credit).**

### **SOLO PILOT CERTIFICATION LAB**

*Second Semester 12 grade Lab Fee Required*

*This course is scheduled after school at SLCC's airport facility.*

**Prerequisite: Students must pass both PILT 1310 and PILT 1100 prior to flying in PILT 1140.**

Students will begin flight training\* with FAA certified flight instructor. Training will include all skills necessary to fly solo. **This course must be taken for S.L.C.C. Concurrent Enrollment credit (PILT 1140, 1 credit).**

**\*Note: Average cost to complete flight hours for this course and supplies - \$2400. Payment can be made weekly for flight hours at a cost of approximately \$130 - \$150 per week. Students fly once per week for just over an hour. This course is scheduled after school.**

# TRAVELING PROGRAMS

(Administered by the Granite Technical Institute, but located off campus)

## AGRICULTURAL SCIENCE

*Agriculture is the nation's largest employer, with more than 21 million people working in some phase of industry from growing food and fiber to selling it in the supermarkets. The mission of Agricultural Science and Technology Education is to prepare students for employment and/or continuing education opportunities in agriculture. This is accomplished through technical instruction in the classroom, experiential education in the laboratory, the Supervised Agricultural Experience Program, and through leadership and personal development in FFA (Future Farmers of America-student organization).*

### AGRICULTURE PRODUCTION (Animal Science)

*Semester (2 period block) 9 - 12 grade*

*or*

*Full Year (2 period block)*

*Periods: 1A-2A, 3A-4A or 3B-4B*

*Taught at Wheeler Historic Farm*

This course is for students interested in learning the proper care and treatment of horses, cows, and other farm animals. Instruction will cover the fundamentals of animal science as well as the basic functions of farm machinery and how it relates to crops being raised on the farm. Student skills will be developed by practicing teamwork, safety, citizenship and other working activities. Students will develop the skills necessary to complete the state skills test in Animal Science. **This course may also be taken to fulfill a third Science credit requirement.**

### VETERINARY TECHNICIAN (Large Animal)

*Semester (2 period block) 9 - 12 grade*

*Periods: 1B-2B both first and second semester*

*Taught at Wheeler Farm*

This course is designed to encourage students to pursue a career in large animal veterinary practice. The program will focus on the following areas of study: safety and sanitation in veterinary science, veterinary terminology, anatomy and physiology, clinical examinations, hospital procedures, parasitology, laboratory techniques, animal nutrition, principles of disease, animals in society, career exploration, and animal management. Students enrolled in the program will also have leadership opportunities through the FFA, a component that will be integrated into the vet assistant course.

This course provides entry-level skills for those students who want to enter an occupation right out of high school and also provides the background necessary for students interested in pursuing a professional degree. Laboratory activities provide students with the hands-on experience and skills needed to participate in the exciting field of veterinary medicine. **This course may also be taken to fulfill a third Science credit requirement.**

## COSMETOLOGY/BARBERING

### COSMETOLOGY/BARBERING

*Full Year (4 period block) 11-12 grade*

*Periods: (1A-2A, 1B-2B) or (3A-4A, 3B-4B)*

*Taught at Granite High, through SLCC*

Taught in partnership with SLCC, this course covers the instruction and practical knowledge required for the Utah Cosmetology license. Students are required to perform 2,000 hours of classroom and laboratory experience and all instruction will prepare students to take the written Utah Cosmetology Board. Students may also arrange for cosmetology at a private cosmetology school of their choice. The private school must be accredited to receive high school credit. In either case, **full tuition** to S.L.C.C., or private college is the responsibility of the student. **This course offers S.L.C.C. credit.**

Beginning in 2008, the Granite Technical Institute, in partnership with S.L.C.C., will offer a **Barbering (men's hair only)** program and a **Nail Technician** program separate from the comprehensive Cosmetology/Barbering program. These programs are currently under development and the details are incomplete at the present time. If you are interested in more information on these programs, please contact James Taylor at 646-4350.

## **HOME BUILDING PROGRAM**

*Full Year (2 period block) 10 -12 grade*

*Periods: 1A-2A, 3A-4A, 1B-2B, or 3B-4B*

Carpentry (1A-2A), (3A-4A), (1B-2B), (3B-4B)

Electrical (1A-2A), (3A-4A), (1B-2B), (3B-4B)

Plumbing (1A-2A), (3A-4A), (1B-2B), (3B-4B)

Concrete (1A-2A), (3A-4A), (1B-2B), (3B-4B)

This is a comprehensive home-building experience where students, with the supervision of licensed contractors help construct an entire house while participating in all phases of home construction. Students may specialize in carpentry, electrical trades, concrete finishing or plumbing at the building site. This is a great experience for those interested in construction/building related careers, or who want building experience. Apprenticeship programs are available. **This course offers S.L.C.C. Concurrent Enrollment**

**credit for qualified 11<sup>th</sup> and 12<sup>th</sup> grade students:**

**Home Building BCCM1010, 5 Credits**

**BCCM1040, 3.5 Credits**

**BCCM1060, 1 Credit**

**BCCM1140, 3.5 Credits**

**Electrical ELI1110, 5 Credits**

**Plumbing PLI1110, 3 Credits**

# Granite Technical Institute

## Summer Course Offerings

### 2008

The Granite Technical Institute is pleased to offer the following courses during the Summer of 2008. In order to register for any of the classes offered through the Granite Technical Institute, students must first pick up an application in the Career Center of their high school. Once the application is complete and signed by both the student and their guardian, it should be returned to the Career Center for review and approval by the Career Center Coordinator. The Career Center Coordinator will then help the student determine whether or not additional information is required and will help facilitate the scheduling process. A copy of the application will be sent to the Granite Technical Institute.

**All applications for Summer courses must be submitted to the Granite Technical Institute by April 18, 2008.**

**\*\*Students must provide their own transportation to the Granite Technical Institute for Summer Courses.**

#### **INTRO TO HEALTH SCIENCE & TECHNOLOGY**

*Grades 9-12*

*M, T, W, Th*

*8:30 a.m. to 12:00 p.m.*

*June 9<sup>th</sup> to July 3<sup>rd</sup>*

This course is designed to create an awareness of career possibilities in health care and inform students of the educational options available for health science and health technology programs. Instruction includes beginning anatomy and physiology, medical terminology, medical ethics, diseases and disorders. **This course provides .5 Career and Technical Education credit.**

#### **COMPUTER TECHNOLOGY**

*Grades 9-12 Lab Fee Required*

*M, T, W, Th*

*8:30 a.m. to 12:00 p.m.*

*June 9<sup>th</sup> to July 3<sup>rd</sup>*

*Prerequisite: Keyboarding*

This course is an introduction to computer application software that encompasses document processing, spread sheets, and presentations. An understanding of ethics and use of operating systems, information resources, and electronic mail is included. Skills gained will be demonstrated by creating a project for a different content area. **This course provides .5 Career and Technical Education credit and fulfills the graduation requirement for Computer Technology.**

#### **EMS (Emergency Medical Services)**

*Grades 9-12 Lab Fee Required*

*M, T, W, Th*

*8:30 a.m. to 12:00 p.m.*

*June 9<sup>th</sup> to July 3<sup>rd</sup>*

This course provides students with advanced emergency medical information and skills. The course introduces students to a variety of career options in emergency medicine along with preparing students to take nationally recognized tests and certification in First Aid, CPR and Emergency Response. Students will learn basic skills prior to enrolling in EMT, nursing assisting, medical assisting and dental assisting courses. **This course provides .5 Career and Technical Education credit.**

## **MEDICAL TERMINOLOGY**

*Grades 9-12 Lab Fee Required*

*M, T, W, Th*

*8:30 a.m. to 12:00 p.m.*

*June 9<sup>th</sup> to July 31<sup>st</sup>*

This class consists of lecture and video presentations. Students learn the meanings and pronunciations of prefixes, roots, and suffixes that combine to form over 11,000 medical terms. This is essential knowledge for any health career. **This course is a prerequisite for Medical Assisting and Pharmacy Technician and recommended for Certified Nurse Assisting. This course provides 1 Career and Technical Education credit.**

## **DENTAL ASSISTING I**

*Grades 11-12 Lab Fee Required*

*M, T, W, Th*

*8:30 a.m. to 12:00 p.m.*

*June 9<sup>th</sup> to July 31<sup>st</sup>*

***Prerequisite: 2.0 G.P.A. and 2.0 C.P.A. are required to enroll in this program.***

Dental Assisting I introduces students to the field of dental assisting. Students will learn basic patient care skills in preparation to assist a dentist or dental hygienist in functions of a dental practice. Skills include: infection control procedures, instrument sterilization, patient preparation, examination, preventive care, dental radiographic techniques, diagnostic study models, bleaching trays, introduction to dental materials and restorative procedures. **This course provides 1 Career and Technical Education credit.**

## **CERTIFIED NURSE ASSISTING**

*Grades 11-12 Lab Fee Required*

*M, T, W, Th*

*8:30 a.m. to 12:00 p.m.*

*June 9<sup>th</sup> to July 31<sup>st</sup>*

***Note: It is suggested that students take Medical Terminology prior to taking this course***

***Prerequisite: 2.0 G.P.A. and 2.0 C.P.A. are required to enroll in this program. CNA's must have a food handlers permit in order to attend clinicals and to work in any health care facility.***

This program prepares students 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. Students learn basic nursing skills such as taking and recording vital signs and recognizing abnormal changes in body functioning. Basic areas of study include: basic nursing skills, personal care skills, mental health and social service needs, care of cognitively impaired residents, basic restorative services and resident rights. A fifty hour clinical experience is required in a nursing facility to complete course requirements. Clinicals are from 3:00 – 8:00 p.m. one day per week and a total of two Saturdays from 7:00 a.m. – 3:00p.m. Students must supply their own uniforms, watches with sweep second hands, white shoes, pens, and small notebooks. Some College and University nursing programs require a CNA for admission to their program. An additional .25 credit will be earned by completing clinical hours. Students must have good social skills, good attendance, and the ability to get themselves to their clinical experiences. **This course provides 1 Career and Technical Education credit.**

## **PRINCIPLES OF ENGINEERING**

*Grades 9-12 Lab Fee Required*

*M, T, W, Th*

*8:30 a.m. to 12:00 p.m.*

*June 9<sup>th</sup> to July 31<sup>st</sup>*

This course allows students to explore various technology systems and manufacturing processes in order to better understand the world of engineering and engineering technology. Students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people and advance our society. This course also includes concerns about social and political consequences of technological change. **This course provides 1 Career and Technical Education credit or it may be taken to fulfill 1 credit in the third Science requirement.**

## **INTRODUCTION TO INFORMATION TECHNOLOGY**

*Grades 9-12 Lab Fee Required*

*M, T, W, Th*

*8:30 a.m. to 12:00 p.m.*

*June 9<sup>th</sup> to July 3<sup>rd</sup>*

This course is for students interested in pursuing a career in the field of Information Technology and is a required course for entry into the Academy of Information Technology. Students will complete assignments and projects in multimedia, web page design, databases, computer hardware, networking, programming and software development. The goal of this course is to help students interested in an information technology career decide which facet of IT to pursue. Other topics such as ethics, security, and privacy will be covered. **This course provides .5 Career and Technical Education credit.**

## **COMPUTER MAINTENANCE (A+) CERTIFICATION**

*Grades 10-12 Lab Fee Required*

*M, T, W, Th*

*8:00 a.m. to 11:30 a.m.*

*June 9<sup>th</sup> to July 31<sup>st</sup>*

In this course, students practice troubleshooting, maintenance, and upgrade of PC's. Course content covers setup, memory management, data back-up, and hardware/software diagnostic procedures. The course is designed to prepare students for the Comp TIA A+ certification exam. A+ certification is a testing program that certifies the competency of entry-level (9 months experience) service technicians in the computer industry. Earning A+ certification means that the individual possesses the knowledge, skills, and customer relation skills essential for a successful entry-level computer service technician, as defined by experts from companies across the industry. **This course provides 1 Career and Technical Education credit.**

## **PROSTART I**

*Grades 11-12 Lab Fee Required*

*M, T, W, Th*

*8:30 a.m. to 12:00 p.m.*

*June 9<sup>th</sup> to July 31<sup>st</sup>*

***Prerequisites: Foods I and Foods II. 2.0 G.P.A. and 2.0 C.P.A. are required to enroll in this program.***

This course focuses on preparing students for careers in the restaurant industry. Students will learn skills dealing with customer relations, food preparation, menu planning, cost controls, marketing, management, and communication. Students will also be required to develop a professional portfolio related to food services. A nationally accepted certification is available upon completion of ProStart I and II. **This course provides 1 Career and Technical Education credit.**

## **PROSTART II**

*Grades 11-12 Lab Fee Required*

*M, T, W, Th*

*12:30 p.m. to 4:00 p.m.*

*June 9<sup>th</sup> to July 31<sup>st</sup>*

***Prerequisites: Foods I and Foods II. 2.0 G.P.A. and 2.0 C.P.A. are required to enroll in this program.***

This is an advanced course in restaurant management. Students will gain further skills in the areas of customer relations, food preparation, menu planning, cost controls, marketing, management, and communication. Students will also continue development of their professional portfolio. A 400 hour internship is required for the successful completion of this course. Students must have good social skills, good attendance, and the ability to get themselves to their internship experiences. A nationally accepted certification is available upon completion of ProStart I and II. Scholarships are available for students who pass the National Restaurant Association exam. **This course provides 1 Career and Technical Education credit.**

### **AGRICULTURE PRODUCTION (Animal Science)**

*Grades 9-12 Lab Fee Required*

*M, T, W, Th*

*8:30 a.m. to 12:00 p.m.*

*June 9<sup>th</sup> to July 31<sup>st</sup>*

*Taught at Wheeler Farm*

This course is for students interested in learning the proper care and treatment of horses, cows, and other farm animals at Wheeler Historic Farm. Instruction will cover the fundamentals of animal science as well as the basic functions of farm machinery and how it relates to crops being raised on the farm. Student skills will be developed by practicing teamwork, safety, citizenship and other working activities. Students will develop the skills necessary to complete the state skills test in Animal Science. **This course provides 1 Career and Technical Education credit or it may be taken to fulfill 1 credit in the third Science requirement.**

### **COSMETOLOGY/BARBERING**

*Grades 11-12 Lab Fee Required*

*M, T, W, Th*

*7:30 a.m. to 3:00 p.m.*

*June 16<sup>th</sup> to August 14<sup>th</sup>*

*Taught at Granite High, through SLCC*

Taught in partnership with SLCC, this course covers the instruction and practical knowledge required for the Utah Cosmetology license. Students are required to perform 2,000 hours of classroom and laboratory experience and all instruction will prepare students to take the written Utah Cosmetology Board. Students may also arrange for cosmetology at a private cosmetology school of their choice. In either case, **full tuition** to S.L.C.C., or private college is the responsibility of the student. **This course offers S.L.C.C. credit.**

Beginning in 2008, the Granite Technical Institute, in partnership with S.L.C.C., will offer a **Barbering (men's hair only)** program and a **Nail Technician** program separate from the comprehensive Cosmetology/Barbering program. These programs are currently under development and the details are undefined at the present time. If you are interested in more information on these programs, please contact James Taylor at 646-4350