



**GRANGER HIGH SCHOOL
COURSE CATALOG
2021-2022**

GRANGER HIGH SCHOOL

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CONTACT US:

PHONE NUMBERS

Main Office	385-646-5320
Attendance Office.....	385-646-5337
Counseling Center	385-646-5321
Records/Registrar.....	385-646-5326
Career Center	385-646-5324
Community Education	385-646-5325
District Office.....	385-646-5000
Main Office Fax	385-646-5336

ON THE WEB

Website:.....	http://www.graniteschools.org/hs/granger
Twitter:.....	http://twitter.com/grangerhs
Facebook:.....	http://facebook.com/grangerhs
Counseling Center:.....	http://www.grangercounselingcenter.com

GRANGER HIGH SCHOOL

2021-2022 COURSE CATALOG

This booklet provides information about the courses offered at Granger High School. Our highly qualified faculty and staff work diligently to ensure a rich academic experience for every student. Granger is a comprehensive high school, offering a range of courses that are intended to “graduate students who are prepared with college and career-ready knowledge and skills to enter and contribute to the global community as responsible citizens.”



At the beginning of the 2013-2014 school year, Granger accepted ninth graders into its halls. This change has provided ninth graders expanded opportunities and choices as they begin their walk toward college, university and career training.

Parents and guardians, please take some time to review your student’s courses with them to ensure that their high school experience meets their career interests and goals. Grades and performance in 9th through 12th grade count toward college and university applications, so it is important to maintain high performance from the beginning.

High school is an exciting time, full of opportunities for students to engage in learning with great freedom and possibility. It also is a stressful time and a time of challenge. Our hope is that your student will experience tremendous growth and progress at Granger High. By the time they walk across that stage at graduation, we know they will “*sing hail to thee, our Alma Mater*” as generations of successful Lancers have done.

Visitors

Granite School District's policy does not allow student visitors on campus or in the classrooms. Students are not to bring friends or relatives with them to attend school. Parents, however, are welcome anytime. When parents arrive, please remember to **check in at the main office** as per district policy. This measure helps to provide a safe and secure school.

Report Cards and Mid-Term Reports

Report cards and mid-term reports are used to notify parents of a student's academic standing. Report cards will be given to students approximately one week following the end of each term to hand carry home, with the exception of the fourth term report (June), which will be mailed. Mid-term reports will be marked at the mid-point of the term and the report given to the student. Parents are encouraged to contact the teacher of their student if they have a question regarding either academic or citizenship grades. Grades can be checked at: <http://www.graniteschools.org> or <http://schools.graniteschools.org/Grangerhigh/> - Grades tab.

Bell Schedule

Monday

PLC 7:10–8:14
1st 8:20–9:33
2nd 9:39–10:57
Lunch 10:57–11:32 or 3rd 11:03–12:16
3rd 11:38–12:51 or 2nd Lunch 12:16–12:51
4th 12:57 – 2:10

AM Assembly

1st 7:30–8:40
Assembly 8:45–9:45
2nd 9:50–11:05
Lunch 11:05–11:40 or 3rd 11:10–12:20
3rd 11:45–12:55 or Lunch 12:20–12:55
4th 1:00 – 2:10

Tuesday – Friday

1st 7:30–8:55
2nd 9:01–10:33
Lunch 10:33–11:08 or 3rd 10:39–12:04
3rd 11:14–12:39 or 2nd Lunch 12:04–12:39
4th 12:45–2:10

PM Assembly

1st 7:30–8:40
2nd 8:45–10:00
Lunch 10:00–10:35 or 3rd 10:05–11:15
3rd 10:40–11:50 or Lunch 11:15–11:50
4th 11:55–1:05
Assembly 1:10–2:10

STUDENT INFORMATION

ATTENDANCE & CITIZENSHIP POLICY

Call 385-646-5337 to report an absence or to release a student

The responsibility for students' attendance lies first with the student and then the parent or legal guardian. Therefore, in order to help parents stay better informed, Granger High will provide an automated calling system to report when a student has missed one or more classes. Regular attendance is a prerequisite for academic success. Accordingly, all students at Granger High School are expected to be present and exhibit ON-TIME behavior in all of their classes, every school day.

Students and parents/legal guardians are reminded that absences adversely affect participation grades in their classes. These participation grades may weigh heavily in the determination of final academic grades. Seven or more days of absences, (or equivalent class periods), of excused absences within a school year, are considered excessive and may require a doctor's note to excuse subsequent absences. Parents and students are expected to excuse absences with the attendance office within one week of the last absence. Absences are excused for the following reasons:

- Personal illness
- Family emergency
- Doctor appointment
- School-related activities
- Vacations (preapproved with an assistant principal)

Students who are absent from school should have their parent/legal guardian notify the school the day of their absence by calling the **attendance office at (385) 646-5337**. **District policy states that notes to excuse absences must be provided within one week of the absence.** The note must include the following information: student's name, date(s) of absence, reason for absence, and the parent/legal guardian's signature and phone number. Whenever possible, parents/legal guardians are urged to make medical or dental appointments after school hours. Any absence due to a school activity, a signed doctor's excuse, court, or school suspension, will not count in totals or adversely affect participation grade or citizenship determination. **Students late may receive a truancy fine of \$3.00 for each infraction. Students may also be required to attend in school detention or receive after school detentions for truant behavior.**

ATTENDANCE CHECK-IN & CHECK-OUT

Students who leave school before the end of the day are required to check out through the Attendance Office. This may be done with parent or guardian permission only (a note or a phone call). **Students, who leave school without properly checking out, are considered truant. Students who are truant may receive a truancy fine of \$3.00 for each infraction.**

HOMEWORK FOR ILL STUDENTS

To access homework for a student, students should login to Canvas. Email address for teachers may be found at <http://www.graniteschools.org>. You may also contact the Counseling Center at 385-646-5321. Please allow at least two days for homework to be collected and ready for pick up. If a student is absent for an extended period of time, other arrangements or placements may occur.

VACATION POLICY

Any student who will be out of school for more than three days, due to a trip or vacation, must contact the attendance office one week prior to departure in order to complete the excusal form and have their absences excused.

CITIZENSHIP DETERMINATION

A 2.0 cumulative citizenship grade (CPA) is required for a student to participate in graduation ceremonies and receive a Granger High Diploma. The student's CPA is determined by the following:

Behavior - An uncorrected series of negative behaviors or one serious incident may result in a "0" in citizenship.

Tardiness - On the fourth tardy from any one class, a student will not receive a grade higher than a "1".

Truancy - truancy is defined as a documented un-excused absence. For one "sluff" the student will receive a citizenship grade no higher than a "1". For the second "sluff" the student will receive a citizenship grade no higher than a "0".

❖ 0 - 3 Parent/legal guardian excused absences = Teacher will determine the Citizenship grade of 0 - 4.

❖ 4+ Parent/legal guardian excused absence = Student will receive a "0". (Four or more days of excused absences within a grading period are considered excessive and will require a doctor's note or other documentation as requested by school administration to excuse subsequent absences.)

REMEDICATION OF ABSENCES OR TARDIES

Students can remediate current citizenship after school in our Attendance Make-Up Program or past citizenship in our Citizenship Make-Up Classes. A student makes-up citizenship by attending.

1. Truancy fines may be made up with community service at Granger High at a rate of \$5 an hour of service.
2. A teacher may also offer the option of citizenship remediation of their own as per their disclosure statement

STUDENT CONDUCT

The behavior policy at Granger follows three principles of behavior and conduct. Each of us at Granger, staff and students, agree to abide by four principles of behavior and conduct. Teachers are expected to teach, model and reinforce these expectations

- 1) We strive for personal excellence, high achievement, and continuous improvement.
- 2) We are *where* we are supposed to be, *when* we are supposed to be there.
- 3) We take responsibility for mistakes, fix the problem, and do better next time.
- 4) We proactively communicate in a mature, constructive way.
- 5) We maintain high standards of speech, dress, and actions.
- 6) We demonstrate respect for authority, elders, community members, peers, those different from us, the property of others, and ourselves.
- 7) We keep promises, maintain honesty, and obey the laws and rules.



DANCES

Date-Type Dances (Prom, Homecoming, etc.) are open to non-student dates, but participants remain subject to all school conduct regulations. One of the attending students must be currently enrolled at Granger High School and provide valid student ID prior to entry. Student ID will be required prior to entry and non-Granger High School students will not be admitted. The administration reserves the right to refuse admission to anyone prior to dances, as well as at the door. All dances will start at 7:00 p.m. and will end at 10:00 p.m. To ensure a positive and safe atmosphere for all students, good conduct is required. Students belongings are subject to search. Those found in violation of this policy will be removed from the dance. If large numbers of students are out of compliance, the administration has the right to cancel a dance at any time. Students must refrain from any dancing that could be described as risqué or vulgar. Dress should be in accordance with the occasion, and the GHS Dress Code will be enforced.

DRESS CODE

Granger High School students are expected to dress in a clean, neat manner that will not take attention away from the learning process. While we want our students to be comfortable, confident, and able to express themselves, there are certain guidelines all students are expected to follow:

1. Appearance should not disrupt classroom activity or bring undue attention to the student.
2. Students must wear shoes or sandals at all times.
3. The following clothing is not acceptable: sagging, short shorts or skirts, belly shirts, low-cut shirts, spaghetti straps, or any other clothing that would make another student, faculty or staff member feel uncomfortable.
4. Standards of propriety and decency dictate that outer clothing should not reveal underclothing.
5. Slogans or advertisements, which by their very nature are controversial or obscene, are not allowed.
6. Clothing which depicts, through words or images, disrespect toward any race, culture, religion or gender will not be allowed.
7. No clothing depicting criminal activity, violence, weapons, drugs, alcohol or tobacco will be allowed.
8. No gang-related attire. This may include, but is not limited to, the following items as indicated by Utah law enforcement agencies:
 - a. Headwear – No unauthorized head gear is allowed at Granger High. This includes but is not limited to hats, bandanas, dew rags, hoodies, etc.
 - b. No overcoats, sunglasses, hoods, or clothing that disguises identity or carried items may be worn.
 - c. Monikers - no nicknames or gang names on clothing will be allowed.
 - d. No Chains or spikes on clothing.

If student is not wearing proper clothing, the student will be issued clothing from the front office or suspended until appropriate clothing is acquired. ***The Granger High School Administration reserves the right to make the final determination if an item of clothing is inappropriate or distracting to the learning environment.**

ELECTRONIC DEVICE POLICY

Use of cell phones or personal electronic devices during instructional time is prohibited. This includes, but is not limited to, calling out, receiving calls, texting, taking pictures, unauthorized recordings or listening to music. Students caught using electric devices during instructional time will surrender their device to the teacher who may turn it into the office to be returned. On the second offense, the teacher may turn the device into the administration and the parent may be required to come and pick it up. On the third offense, the administration will return device to parent after a parent student conference. If a student chooses not to give the device to the teacher, the student will be in danger of school. Granger High School is not responsible for any lost or stolen items.

ACADEMIC ELIGIBILITY REQUIREMENTS

Students planning on seeking office or participating in any Utah High School Activities Association- endorsed events should be aware of the listed requirements concerning standards of eligibility. This standard must be met during the term immediately preceding each term of participation and throughout the respective terms of participation. Eligibility is checked at each term end when grades are posted.

TEAM/ORGANIZATION	GPA	CPA	OTHER REQUIREMENTS
Athletics	2.0	2.0	No more than one F
Cheer	3.0	3.0	No more than one 0 or F
Class Officer	3.0	3.0	No 0 or F
Dance Company	2.5	2.0	No F
Drill Team	2.5	2.0	No F

GAMBLING AND GAMES OF CHANCE

Any activity or games involving wagering, use of dice, playing cards or other devices, as well as pitching money are prohibited while at school or at any school-related function. Games of chance that do not involve illegal gambling or an exchange of money may be part of authorized school activities.

HAZING POLICY

Hazing or initiation activities on the part of or organizations sponsored by Granger High School are strictly forbidden. Students participating in any activities that might be dangerous or construed as hazing and/or physical or sexual harassment will be disciplined accordingly.

BULLYING POLICY

Bullying is unwanted, aggressive behavior among school aged children that involves a real or perceived power imbalance. This behavior is repeated, or has the potential to be repeated, over time. Bullying includes actions such as making threats, spreading rumors, attacking someone physically or verbally, and excluding someone from a group on purpose. Bullying is not tolerated at Granger High School.

HEALTH INFORMATION

As required by policy of the State Board of Health, all enrolled students must have with the school, a complete record of their immunizations. These are available from the Board of Health. A second MMR shot is required before entering the senior year. It is the policy of the school not to dispense medication to students at school. We advise students who are taking prescriptions that they bring to school only the amount of medication to be taken during the day enclosed in a proper container. Full bottles or packages of medications should be left at home.

HOME & HOSPITAL INSTRUCTION

For students who are experiencing a serious illness, surgical procedure or are unable to attend school for a period longer than two weeks should contact the student's counselor immediately. The student's counselor may be able to request home instruction for the student.

HOME RELEASE

It is Granger's recommendation that students should carry a full eight-period schedule since the increasing demand in the job market requires students to be better prepared. If a student has a need for home release, please contact the student's counselor for options. Students may not be on campus during a home release period.

INTERNET

Students and parents may check academic grades, citizenship and attendance, in addition to obtaining school information by accessing the Granite School District home page at www.graniteschools.org. Granger High School students who violate the Granite School Districts Internet Agreement Policy may lose their computer access and/or be subject to disciplinary action.

LOCKERS

Hall lockers are provided for storage of coats and books. The locker is only as safe as the student assigned that locker makes it. Use of a locker by more than one student is unacceptable. To permit other students access to that locker compromises the security of that locker. The lockers are the property of the school. School authorities have the right and obligation to check lockers for the safety, welfare, and protection of students on school property at any time. Every student is responsible for the locker he/she is assigned as well as the contents of the locker at all times. **STUDENTS ARE STRONGLY ADVISED NOT TO PLACE MONEY OR OTHER VALUABLES IN THEIR LOCKER. THE SCHOOL DOES NOT ACCEPT RESPONSIBILITY FOR STOLEN OR LOST MONEY, CLOTHING, VALUABLES, OR OTHER ARTICLES.**

LOITERING

Loitering at Granger High School is prohibited. Students if not under direct supervision of a teacher or coach must leave the building by 2:45 p.m. Those found loitering are subject to one or more of the following disciplinary actions:

1. Issued a ticket from Granger High School.
2. West Valley City Police Department trespassing ticket.
3. Mandatory parent conference
4. Suspension from school.

PARKING

Student parking on campus is by permit only. All cars parked on campus must display a Granite District parking sticker in the front window. Permits are required and may be obtained in the main office for a cost of \$10.00. Vehicles parked improperly out of student areas or without a valid sticker or pass hanging from the rear view mirror may be ticketed, towed, or impounded. Despite school efforts to maintain secure parking for students, the school is not liable for any loss or damage incurred in the parking lot. **Failure to purchase a parking pass will result in a ten dollar citation.**

SAFE-SCHOOL

Granger High School strictly adheres to Granite School District policies related to Safe Schools, Drugs, Alcohol and Tobacco. Possession of tobacco, alcohol, or drugs is illegal. Tobacco violators will be issued citations. Students involved in drug and/or alcohol situations will be subject to the Granite School District Drug and Alcohol Policy. Violation of both policies (Safe School or Drug, Alcohol & Tobacco) may include, but is not limited to suspension, probation from activities, and enrollment in a treatment program, law enforcement referral, and possible alternative placement. By engaging in these and related activities, a student may relinquish the privilege to attend Granger High School. Complete copies of these Board of Education policies and the sequential steps involved are available at the school upon request. Any student acts of violence, fighting, physical or sexual assaults or threats, possession of a weapon or facsimile, criminal behavior, or any type of gang activity or involvement will be dealt with as per the Granite District Safe Schools Policy.

SEXUAL HARASSMENT

Any form of sexual harassment by staff or students, including any inappropriate verbal, written, or physical conduct is strictly prohibited and violators of this policy will subject themselves to investigative and disciplinary procedures. A more extensive definition of what constitutes harassment is available upon request. Any student who feels they are being subjected to harassment should report the problem immediately to any staff member at the school. Students should not feel embarrassed, intimidated, or reluctant to file a harassment report.

VALEDICTORIAN & SALUTATORIAN

Many college scholarships and special recognitions are closely related to GPA. Certain classes however, are more indicative of intellectual achievement and effort than are others. Therefore, weighing the GPA, ACT, and classes taken collectively will determine Valedictorian and Salutatorian.

GRADUATION REQUIREMENTS

1. *Earn a total of 27.0 units of credit.*
2. *Pass all the required core classes listed below.*
3. *2.0 Cumulative Citizenship Point Average (CPA).*

CREDITS	REQUIRED CORE CREDITS	GRADES
4.0	ENGLISH (Complete ALL of the following)	
	1.0 English 9 or Honors English 9	9
	1.0 English 10 or Honors English 10	10
	1.0 English 11 or Honors English 11 or AP English Language	11
	1.0 English 12 or AP English Literature or English 1010/1020	12
3.5	SOCIAL STUDIES (Complete ALL of the following)	
	1.0 World Geography or Honors World Geography or AP Geography	9
	1.0 World Civilizations or Honors World Civ. or AP World History	10
	1.0 US History or Honors US History or AP US History	11
	.50 US Government or AP US Government (full year)	12
3.0	MATHEMATICS (Complete ALL of the following)	
	1.0 Secondary Math 1 or Honors Secondary Math 1	9
	1.0 Secondary Math 2 or Honors Secondary Math 2	9-10
	1.0 Secondary Math 3 or Honors Secondary Math 3	10-11
3.0	SCIENCE (Complete 2 Foundation Courses plus one Applied Course)	
	1.0 Physical Science	9-12
	1.0 Biology Science	9-12
	1.0 Foundation, Applied or Advanced Course	10-12
1.5	PHYSICAL EDUCATION (Complete ALL of the following)	
	.50 Fitness for Life	9-12
	1.0 PE Elective	9-12
1.5	ART (Complete ANY core)	
	1.5 Any Art Core	9-12
1.0	CAREER & TECHNICAL ED (Complete any TECH core)	
	1.0 Any CTE Course	9-12
.50	FINANCIAL LITERACY (Complete this course)	
	.50 Financial Literacy	11-12
.50	HEALTH (Complete this course)	
	.50 Health	10
.50	COMPUTER TECHNOLOGY (complete this course)	
	.50 Business office Specialist or Exploring Computer Science	9-12
8.0	ELECTIVES	9-12
27.0	TOTAL CREDITS	

COLLEGE AND UNIVERSITY CONSIDERATIONS

University admissions requirements and NCAA eligibility requirement differ from minimal high school graduation requirements. Students who are planning to enroll in a 4-year university directly from high school will take three years of Math and Science. 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 science class. Some universities may require two years or more of a world language.

Athletes need to consider additional NCAA Clearinghouse requirements if they are planning to participate in college athletics. If you have any questions, or if you have a need for more information, contact your counselor.

NCAA Initial-Eligibility Clearinghouse (the clearinghouse) is an organization that works with the NCAA to determine a student's eligibility for athletics participation in his or her first year of college enrollment. Students who want to participate in college sports during their first year of enrollment in college must register with the clearinghouse. Located in Iowa City, Iowa, the clearinghouse staff follows NCAA bylaws and regulations in analyzing and processing a student's high school academic records, ACT or SAT scores, and key information about amateurism participation, to determine the student's initial eligibility.

NCAA Division I – If you enroll in a Division I college and want to participate in athletics during the first year, you must: Graduate from high school; Complete these 16 core courses: 4 years of English, 3 years of mathematics (Algebra 1 or higher), 2 years of natural or physical science, 1 extra year of English, math or natural or physical science, 2 years of social science, 4 years of extra core courses (from any category above, or foreign language, nondoctrinal religion or philosophy); Earn a minimum required grade-point average in your courses; and earn a combined SAT or ACT sum score that matches your course grade-point average and test score sliding scale from the clearinghouse booklet.

GRANGER SCHOLAR'S PATHWAY CLASSES

HONORS CLASSES – The following is a list of Honors classes at Granger High School. These classes qualify for the scholars' pathway and place a student on the path for college-readiness. The Granger Scholars' Pathway is a program to prepare high school students to be successful in a post high school academic environment. Qualifying classes are either Honors classes (includes GTI) or A.P. classes. The advantages to being in the Granger Scholars' Pathway are:

- ▶ Quality education
- ▶ Distinction at graduation
- ▶ Annual certificate and pin awarded to successful candidates at the end of each year.
- ▶ Increased number of potential scholarships

English 9 Honors	9
Secondary I Honors	8-9
English 10 Honors	10-11-12
Secondary II Honors	10-11
English 11 Honors	9-10-11-12
Physics/Math Block	9-12
AP English Language	11

Biology Honors	9-10-11-12
Physics Honors	10-11-12
Chemistry Honors	10-11-12
World Languages 1,2,3	9-10-11-12
Secondary III Honors	10-11
AP English Literature	12

CONCURRENT ENROLLMENT (CE) CLASSES

Concurrent enrollment classes are college level classes offered to freshman, sophomores, juniors and seniors for both high school and college credit. Granger faculty members have been approved as adjunct faculty at SLCC to teach these classes Granger high. This credit is transferable to all state-sponsored Utah colleges and universities. Students who enroll in concurrent enrollment classes should be prepared for the rigors of college work. **The student will pay a one-time college enrollment fee of \$40. The charge for tuition is \$5.00 per credit hour and the students will purchase their own textbooks.**

Important Considerations:

Salt Lake Community College (SLCC) believes in order for students to be successful in college courses, they must be able to read and comprehend textbooks and materials printed on an appropriate reading level and be able to solve appropriate level mathematics problems. Appropriate test scores from either the ACT or SAT are required for certain college courses. ACT tests are offered throughout the school year, these dates are available on the ACT.org website. Salt Lake Community College also offers Decision Tree Testing at their testing centers and can be used to qualify for classes with prerequisites testing requirements. Students will need to be enrolled at SLCC before they can do the Decision Tree Testing.

First-Time Concurrent Enrollment Students:

Enrollment to Salt Lake Community College will need to be complete before students will be able to register for a concurrent enrollment class.

Continuing Concurrent Enrollment Students:

If you have already taken a concurrent enrollment, classes you do not need do the enrollment again.

GRANGER HIGH CE COURSES	GRADE	SALT LAKE COMMUNITY COURSES
Business Math	12	MATH 1030
Intro to Statistics	12	MATH 1040
College Algebra	11-12	MATH 1050
College Trigonometry	11-12	MATH 1060
Chemistry	12	CHEM 1010
Art – Intro to Drawing	09-12	ART 1020
Comm. – Elem. of Effective Comm.	10-12	COMM 1010
Comm. – Public Speaking	10-12	COMM 1020
College English 1	12	ENG 1010
College Engl. – Intermediate Writing	12	ENG 1020
American Civilizations	12	HIST 1700
Cabinet Making & Millwork	09-12	CMGT 1220
Welding Technician	09-12	WLD 1005
Introduction to Automotive	10-12	AUTO 1010
Collision Refinishing & Painting	09-12	AR 1100
Automotive Refinishing Skill Development	09-12	AR 1111
Intro to Psychology	12	Psych 1010
Human Development	11-12	HU 1500
Medical Terminology	11-12	MED TERM 1100 (GTI)

Granite Technical Institute (GTI)

We encourage all students (9-12) to take advantage of the programs and classes available at the GTI. Students who take certain GTI classes will have the opportunity to earn certifications that are widely accepted for employment. CTE classes will assist in career and college readiness. Additional Concurrent Enrollment classes may be available from the GTI. Students who elect GTI classes will travel to and from the GTI campus for two periods, either 1st and 2nd periods or 3rd and 4th periods. Bus transportation will be made available for all GTI classes. Please meet with your school counselor or visit the Granger High career center for more information.

Advanced Placement (A.P.) Courses

Advanced placement (A.P.) classes are college level classes that expect students to be prepared for an extensive and rigorous study of the curricular area. Students in these courses can expect 1-2 hours of homework every night. The purpose of these courses is to prepare students for the Advanced Placement exam in May. The successful passage of the class and the test allows students the opportunity to receive college credit. **By signing up for an AP class you must agree to be enrolled in the class for at least 1 semester.**

A.P. US History	11-12
A.P. English Language	11-12
A.P. Psychology	11-12
A.P. Calculus AB & BC	11-12
A.P. English Literature	11-12
A.P. English Language	11-12
A.P. Spanish	9-12
A.P. Art History	11-12
A.P. Government and Politics	11-12

A.P. World History	10
A.P. French	9-12
A.P. Physics "B"	11-12
A.P. Studio Art	11-12
A.P. Chemistry	11-12
A.P. Music Theory	11-12
A.P. Statistics	11-12
A.P. Human Geography	9
A.P. Psychology	11-12

SEE CATALOG

Career & Technical Education (CTE)

Granger High offers over 60 different CTE classes in the areas of Business and Marketing, Family & Consumer Sciences, and Skilled & Technical Sciences. In each of these subject areas, students can earn an Honor Cord for graduation if they complete the CTE Pathway Completer requirements, these credentials are highly beneficial when it comes to applying for college or employment, multiple certificates can be stackable and will strengthen a student's college and work resume.

Students must complete 6 semesters of coursework (3.0 credits) in a specific CTE area in order to receive the Completer Award. Students can also earn a Concentrator Certificate if they complete 3 semester credits (1.5 credits) in a specific CTE area of focus listed above.

CTE classes at Granger High are connected to national student organizations called Career and Technical Student Organizations or CTSO. Here is a list of national student organizations at Granger: DECA, HOSA, FFA, FCCLA, FBLA, Skills USA and TSA. Each CTSO will have district, state and national competitions, students who are members of these organization are eligible for to apply for scholarships within the CTE areas of focus.

CLASS SELECTION INSTRUCTIONS

FILLING OUT YOUR CLASS SELECTION CARD

Using pencil, select eight periods for the year. Be sure that your name and student # are filled in, and that your parent/guardian signs the class selection card. Obtain teacher's signature, if required. Students must choose alternate year and semester classes on the card.

9TH GRADERS:

Incoming freshmen students must select a full year of World Geography, Mathematics, Science, English, Freshman Academy and a semester of 9th grade men's or women's P.E. and Exploring Computer Science is available to satisfy the Digital Media credit.

10TH GRADERS:

Incoming sophomores must select a full year of World Civilizations, Mathematics, Science, and English. Also, a student must select for one semester of Fitness for Life, Business Office Specialist (unless Fitness for Life or Business Office Specialist was taken 9th grade year), and Health. Sophomore students must pass Geography and English 9 to register for Drivers Education.

11TH GRADERS:

Incoming junior students must select a full year of United States History, Mathematics, Science, and English. One semester of Physical Education is also recommended and a GTI course strongly recommended for college preparation and for any one pursuing career certification in any area of Career and Technical Education.

12TH GRADERS:

Incoming senior students must select one class of English each semester, and one semester of Government and Citizenship. In addition, seniors must complete all graduation requirements not yet filled.

CHOOSING CLASSES

Granger High School is a Comprehensive Guidance School. Students have the opportunity to work individually with their counselor each year. Students also participate in a variety of career programs including workshops, guest speakers, career fairs, military career day, and college programs. All of these activities are designed to help students create informed CCRP's, (College and Career Readiness Plan). Careful consideration of the CCRP is recommended as students complete their course class selection information.

Students must choose eight periods for both semesters. Students are selecting classes for the full year. On the basis of student requests, teachers will be assigned for the coming year. Therefore, changes in schedules are strongly discouraged. There will be no class changes after the first two weeks of school.

CLASSES OFFERED AT GRANGER HIGH

ART, DANCE, MUSIC, DRAMA

1.50 credits required for graduation

Art consist of the following four separate cores: **Visual Art, Dance, Music, and Theatre**. Fine Arts credit and elective credits may be earned from the State Core Classes. Dance classes can also be used as a PE elective.

Visual Art

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.)

Art Foundations II

9, 10, 11, 12

Semester

In this course we will learn the elements and principles of design. We will notice and practice how to apply them in a composition of art. We will explore the use of a variety of art tools and materials practicing technique. This class is a studio setting focused on developing higher order of thinking about art, art criticism, art history. Fee: \$15.00

Beginning Drawing 1

9, 10, 11, 12

Semester

Are you curious about drawing? This class will give you a solid foundation in drawing. Drawing focuses rendering from life, pictures, masterworks, and imagination. Students will keep a portfolio of finished works and be taught the importance of an artist's portfolio. The Principles and Elements of Art will be reviewed for use in composition and art critiques. Students will learn how to talk about, write about and find meaning in artwork. **Fee:** \$18

Beginning Drawing 1-2

9, 10, 11, 12

Year

Are you curious about drawing? This class will give you a solid foundation in drawing. Drawing focuses on rendering from life, pictures, masterworks, and imagination. Students will keep a portfolio of finished works and be taught the importance of an artist's portfolio. The Principles and Elements of Art will be reviewed for use in composition and art critiques. Students will learn how to talk about, write about and find meaning in artwork. **Fee:** \$36 (year)

Art 1020 CE (Drawing 1) Skill Level 1

11, 12

Semester

This is an introductory drawing course for non-majors. To develop drawing skills line, shape, perspective, and light logic are among the art terms and approaches we will experience and discuss. Reading and writing are required. ***Students desiring college credit must complete the admissions process for Salt Lake Community College by August 15.**

Drawing 3-4

10, 11, 12

Year

Are you looking to push your drawing skills to the next level? This class will help you achieve that goal. This class is designed to increase your individual creativity through problem solving and critical thinking. Technical drawing skills for representational and imaginative drawing will be taught. Various media will be employed. Students will be expected to keep a portfolio of finished works. The Principles and Elements of Art will be reviewed for use in composition and art critiques. Students will review how to talk about, write about and find meaning in artwork. **Please note:** this class is not suitable for beginners. **Prerequisite:** Drawing 1 **Fee:** \$ \$18.00

Ceramics 1

10, 11, 12

Semester

This is the introduction class to ceramics and gives a beginner look into hand building and basic wheel throwing techniques. Students explore three-dimensional design while developing both Functional and Sculptural forms they make and take home. Every student is encouraged to keep the work they make. Creativity, Work Ethic, and Quality are emphasized. Fulfills Fine Arts graduation requirements. **Prerequisite:** None **Fee:** \$ \$20.00

Ceramics 1-2

9, 10, 11, 12

Year

This is the introduction class to ceramics and gives a beginner, yearlong look into hand building and wheel throwing techniques. Students explore three-dimensional design while developing both Functional and Sculptural forms they make and take home. Every student is encouraged to keep the work they make. Creativity, Work Ethic, and Quality are emphasized. Fulfills Fine Arts graduation requirements. **Prerequisite:** None **Fee:** \$ \$40.00

Ceramics 3-4

10, 11, 12

Year

This is a continuation of what you learn in Ceramics 1, this course introduces more advanced levels of hand building and wheel throwing. You will also have a greater level of choice in what you create along with a deeper exploration into traditional and historic methods of using clay. Fulfills Fine Arts graduation requirements.

Prerequisite: Ceramics 1 **Fee:** \$ \$40.00

Ceramics 5-6

(10 with recommendation), 11, 12 Year

This is the final Ceramics course for those who have taken at least three semesters of ceramics. In this course we take an in depth look at advanced contemporary and traditional techniques. We engage in alternative firing techniques and self-guided project development in a body of work. Fulfills Fine Arts graduation requirements. Prerequisite: Ceramics 3-4 or recommendation from teacher. **Prerequisite:** Ceramics 3-4 **Fee:** \$40.00

Sculpture 1-2

11, 12

Year

In this class we continue the journey after 3D Design by learning more about how artists use a variety materials and techniques to create three-dimensional works of art. We will assemble, model, cast and carve in a studio setting focused on sculpture with purpose from personal to public. We practice the Studio Habits of the Mind will display our work school-wide and in community events. This is a full year course and *at least* 1 fieldtrip will be a part of our experience. **Please note:** this class is not suitable for beginners. **Prerequisite:** Ceramics 1 **Fee:** \$ 40.00

Beginning Painting 1-2

11, 12

Year

This class introduces students to the operations of color and various painting techniques and styles. It is designed to help students utilize such media as watercolor paint, acrylic paint and oil pastels in the rendition of various subjects. Emphasis will be placed on the elements and principles of art and design. Students will learn how to talk and write about artwork. **Prerequisite:** Foundations I or II; drawing experience helpful **Fee:** \$ 40.00

Intermediate Painting 3-4 (Oil painting)

11, 12

Year

This course will move art students into the next steps of painting by adding additional techniques and theories to the skills learned in Painting 1-2. Art students will learn more about materials, light and shadow, color theory, and composition techniques. Art students will build on skills developed in Painting 1-2 and practice artistic expression in painting. **Prerequisite:** Painting 1-2 **Fee:** \$ 50.00

3-D Design 1

9, 10, 11, 12

Semester

In this class we provide an introduction to a variety of 3-dimensional media and construction methods inspired by and related to different cultures. This course is designed to develop higher order thinking, while students work in a studio setting. We explore art criticism, art history, and aesthetics to create meaningful works of art that express ourselves and/or connect with other people and cultures. We may even display our work in school wide, district wide, and community events! The pre-requisite for this class is Foundations I and II and this is the pre-requisite before you can take sculpture. **Prerequisite:** Foundations I and II **Fee:** \$ 20.00

AP Studio Art 2-D

11, 12

Year

In this course student artists will create a large body of work in three categories: Quality, Concentration, and Breadth. Quality works include five works demonstrating an understanding of 2D design in concept, composition, and execution. Concentration: Includes 12 digital images for details or process. Breadth: Students must create 12 different works. Student artists must create works that demonstrate understanding of 2-D Design. Students will use design principles: unity/variety, balance, emphasis, contrast, rhythm, repetition, proportion/scale, and visual elements: mass, volume color/light, plane, line and texture. Student who successfully complete this course will receive college credit and create an artist portfolio. **Prerequisite:** None **Fee:** \$ 50.00

AP 3-D Art and Design

11, 12

Year

AP 3-D Art and Design is an introductory college-level three-dimensional design course. Students refine and apply skills and ideas they develop throughout the course to produce three-dimensional art and design. 3D students will create works in different media Students will submit a portfolio for college credit. **Prerequisite:** None **Fee:** \$ 60.00

Art History AP

10, 11, 12

Year

This course is for the serious student who wants to understand the history of the world through the lens of art, architecture and human creativity. It is designed to help students pass the AP Art History exam in May. This course is a university level program that requires maturity, responsibility, and self-motivation. Students will examine major forms of artistic expression from the ancient world to the present from a variety of cultures. Students will learn to analyze works of art in a historical context and articulate what they see or experience in a meaningful way. Students will learn to frame an understanding that relates how works of art communicate visual meaning. Art history teaches students to be visually literate. **Fee:** \$16.00

Dance

Dance 1

9, 10, 11, 12

Year

This beginning class covers dance technique and coordination. Students investigate creative and choreographic processes and dance meaning. **Fee: \$15.00 per semester**

Dance 1 A

9, 10, 11, 12

Semester

This beginning class covers dance technique and coordination. Students investigate creative and choreographic processes and dance meaning. **Fee: \$15.00**

Dance 2 10, 11, 12 Year
This class further develops creative skills and dance as a universal language and art form. **Fee: \$15.00 per semester**

Dance 2A 10, 11, 12 Semester
This class further develops creative skills and dance as a universal language and art form. **Fee: \$15.00 per semester**

Dance 3 11, 12 Year
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. **Fee: \$15.00 per semester**

Dance Company 11, 12 Year
Performing art Dance Company rehearses and performs all year. Must Audition in the Spring. **Approval: Lago**
This course requires extra-curricular time and additional fees.

Social Dance 10, 11 12 Semester
This course will teach the basics of partner, social dancing including basic waltz, foxtrot, swing, cha-cha, samba, tango, and more. This course will be elective credit. Fee \$10.

Drill Team 9, 10, 11, 12 Year
This is a competitive athletic team. Must audition in the Spring. Selection will be made by a panel of judges for acceptance in the class. There are additional costs and time for the students.

Dance CE DNC 1010 11, 12 Semester
An introduction to dance as a means of cultural expression. Multi-cultural dance in America is explored, with analysis of how divergent traditions have survived despite social and cultural pressures. No dance experience required. This class will require reading, writing and research as well as dancing.

Drama & Stage

Theatre Foundations 1A 9,10,11,12 Semester
This introductory course introduces students to the fundamentals of theatre arts, the roll of an actor interpreting dramatic literature, performance theory and techniques, and as an overview of the technical elements of the stage. Group interaction and ensemble work will be emphasized. Course work will focus on Children's theatre, scene and character development, dramatic structure, Pantomime and establishing a base knowledge of dramatic literature and theatre history. In addition to increasing the student's appreciating of the stage, this class will emphasize ways in which young people can develop interpersonal communication skills. This course is a prerequisite for all other drama courses.
Fee: \$10.00 per semester

Theatre Foundations 1B 9, 10, 11, 12 Semester
This introductory course introduces students to the fundamentals of theatre arts, the roll of an actor interpreting dramatic literature, performance theory and techniques, and as an overview of the technical elements of the stage. Group interaction and ensemble work will be emphasized. Course work will focus on Children's theatre, scene and character development, dramatic structure, Pantomime and establishing a base knowledge of dramatic literature and theatre history. In addition to increasing the student's appreciating of the stage, this class will emphasize ways in which young people can develop interpersonal communication skills. **Fee: \$10.00 per semester**

Theatre 2 11, 12 Year
This year-long intermediate course is designed for students with a year of experience or more, promotes appreciation and enjoyment for all aspects of theatre through opportunities to build significantly on existing skills. Group interaction and ensemble work will be emphasized. Course work will focus on Improv skills, Shakespeare, Introduction to Theatre History, Script writing, beginning Tech theatre design, Auditioning and Stage Combat. In addition to increasing the student's appreciating of the stage, this class will emphasize ways in which young people can develop interpersonal communication skills. Students develop 21st-century skills in such areas as time management, critical analysis, leadership, and collaboration to help them be successful after high school graduation. **Fee: \$25.00 per semester**

Theatre 3 10, 11, 12 Year
This year-long intermediate honors-like course is designed for students with 2 or more years of experience. Group interaction and ensemble work is emphasized. In keeping with the rigor expected in an accelerated setting, students assemble the skills needed to advance into the advanced theatre class. Course work will focus on Shakespeare, auditions, scene acting, Commedia del'Arte, acting theories, historical performances, and directing. In addition to increasing the student's appreciating of the stage, this class will emphasize ways in which young people can develop interpersonal communication skills. Students use skills that will help them be successful, including, time management, self-assessment, problem solving, collaboration, and critical analysis. **Fee: \$25.00 per semester**

Advanced Theatre/Theatre 4

11, 12

Year

This year-long advanced, Advanced Placement-like course is designed for students with extensive experience in theatre. This class promotes significant depth of engagement and lifelong appreciation for theatre through a broad spectrum of primarily self-directed study and performance. This class will be competing around the state, representing Granger High School Drama at the Utah Shakespearian High School competition, Utah Theatre Association, and Utah Region and State theatre competition. In addition to increasing the student's appreciating of the stage, they will be participating in a main stage show in the black box theatre. **Fee:** \$25

Film

9, 10, 11, 12

Semester

This class will watch movies in a variety of genres and learn to do a deep analysis of films. We study numerous genres of film (musicals, film noir, suspense, blockbusters, etc.), elements of film (lighting, sound, directing, etc.), and important topics in film (marketing, censorship, propaganda, etc.). Through selected viewings and thorough discussion the student will develop an understanding of the origin and growth of the film industry. Special emphasis will be placed on theme, symbolism, acting, editing, and special effects. **Fee:** \$10

Musical Theatre

9, 10, 11, 12

Year

This year-long course is designed to prepare students to participate in varied aspects of musical theatre, with special attention voice production (ensemble and solo work) stage movement, acting, characterization, dance, musical theatre history, directing, auditioning and technical aspects of a musical production. This course is designed to create a "Triple Threat" in acting, singing and dancing. **Fee:** \$25

Beginning Stage Production and Design

9, 10, 11, 12

Semester

This beginning class allows for students to learn the creative process of design for performances including assemblies, concerts, plays and other outside events. Course work includes designing, creating, and implementing lighting, sound, set construction and stage management. Group work is emphasized. Students will be taught how to work safely in the auditorium and use the tools of the trade. Students will be required to work 4 hours per term in addition to class time on other events being performed at Granger High School. **Fee:** \$15

Advanced Stage Production and Design

10, 11, 12

Year

This advanced class will add to the skills students gained in the beginning stage production class. Students will have the opportunity to play a larger role in the theatrical productions, concerts, assemblies, and other events that take place on the Granger stage. Students in this class will take leadership positions in the stage management of theatrical productions and add to their abilities and resume. Group interaction and work will be emphasized. Students will be taught how to work safely in the environment of the auditorium and using the tools of the trade. Students will be required to work 4 hours per term in addition to class time on other events being performed at Granger High School. **Fee:** \$15

Orchestra, Band, Choir

Guitar 1

9, 10, 11, 12

Semester

This class emphasizes the development of music reading skills and basic guitar skills. Students will learn to play chordal accompaniment and melodies. Students must provide their own acoustic guitar – no electric guitars. **\$25.00 class fee.**

Guitar Ensemble

9, 10, 11, 12

Year

Guitar Ensemble students will perform many styles of music, including classical, pop, jazz, and more. Students taking this class should have had at least one semester of guitar instruction and/or know the fundamentals of guitar technique. Students will perform in concerts and are required to practice at home. Students must provide their own acoustic guitar – no electric guitars. **Prerequisite: Guitar 1 or equivalent experience – students must be able to read basic standard notation. Fees: \$50 class fee; Uniform fee not to exceed \$175.**

Percussion Ensemble

9, 10, 11, 12

Year

This class is for all percussion students. Students will learn percussion techniques and play a variety of percussion instruments appropriate for drum line and concert music. Students are required to practice at home. They will perform in concert with the Concert and String Orchestras, Symphonic and Concert Bands, and Pep Band. Students must provide their own sticks and mallets and drum pad. **Prerequisite: Students must be acquainted with reading rhythm notation. Fees: \$50 class fee; Pep Band uniform not to exceed \$50; Concert Uniform fee not to exceed \$175.**

Concert Band 1-6

9, 10, 11, 12

Year

Concert Band is a fundamentals-based course. All students who play a brass or woodwind instrument are welcome to enroll (percussionists should enroll in Percussion Ensemble, not this class). This course will focus on the basics of musicianship in a band setting. Students are required to practice at home. They will also perform in concert and as the school's pep band with members of Symphonic Band. Students provide their own instruments; only a limited number of instruments are available to rent. **Prerequisite: Cadet Band or equivalent experience. Fees: \$50 class fee; \$75 Instrument fee (if applicable); Pep Band uniform not to exceed \$50; Concert Uniform fee not to exceed \$175.**

Symphonic Band

9, 10, 11, 12

Year

This class for brass and woodwind players (percussionists should enroll in Percussion Ensemble, not this class), and 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 are required to practice at home. They will also perform in concerts and festivals and as the school's pep band with members of the Concert Band. Students should provide their own instruments; only a limited number of instruments are available to rent. **Audition Required with Mr. Moore. Fees: \$50 class fee; \$75 Instrument fee (if applicable); Pep Band uniform not to exceed \$50; Concert Uniform fee not to exceed \$175.**

String Orchestra

9, 10, 11, 12

Year

This class provides an opportunity for string players to become acquainted with string music literature. In addition, opportunity is given to students to work on technique, bowings, and ensemble playing. Students will perform in concerts and are required to practice at home. No audition necessary. Students should provide their own instruments; only a limited number of instruments are available to rent. Prerequisite: *Cadet Orchestra or equivalent experience.* **Fees: \$50 class fee; \$75 Instrument fee (if applicable); Pep Band uniform not to exceed \$50; Concert Uniform fee not to exceed \$175.**

Concert Orchestra

9, 10, 11, 12

Year

This class is for string players and pianists and focuses on refining musicianship with attention to the improvement of music reading ability and a greater understanding of mood, form and style in symphonic and contemporary music. Students should provide their own instruments; only a limited number of instruments are available to rent. **Audition Required: Mr. Moore, Fee: \$15 / Semester + Black & White formal wear price TBD**

Mixed Chorus

9, 10, 11, 12

Year

Mixed Choir is a fully mixed (all genders and identities), non-auditioned choir. Members of this choir will learn the basic foundations of music and get to know their voices as they work on pieces of music that will gradually increase with difficulty throughout the year. This course is designed for those hoping to prepare to successfully audition for Concert Choir and/or Madrigals and for those wishing to get their feet wet in world of choral music. Students are encouraged to sign up for a full year but have the option to choose 1st or 2nd semester if a scheduling conflict is present. **Fee: \$35 – Fee provides sheet music and a choir t-shirt**

Concert Chorus

10, 11, 12

Year

Concert Choir is a large, mixed, fully auditioned choir. Members of this group are expected to meet higher vocal and musical standards than those of the three non-auditioned groups. This course demands more of the students to work hard and take ownership of their ensemble. Music selected will challenge students to continuously reflect upon and refine their vocal technique and overall musicianship. **Fee: \$35 + Uniform (Dress \$90, Suit \$158) - Fee provides sheet music and a choir t-shirt**

Audition required: Mr. Pulsipher

Men's Chorus (Cantus Voce)

9, 10, 11, 12

Year

Men's Chorus is a non-auditioned group designed for the development of Tenor and Bass voices. It is ideal for those in the lower vocal ranges to develop through music specifically designed and written for them. This course will approach specific issues related to the lower voice and will help to prepare singers to successfully audition for Concert Choir and/or Madrigals should they so desire. This course is recommended for Freshman and Sophomore students, but it is not restricted to them. Selected students may enter 2nd semester. **Fee: \$35 – Fee provides sheet music and a choir t-shirt. No Audition Required.**

Women's Chorus (Bella Voce)

9, 10, 11, 12

Year

S/A Chorus (Bella Voce) is designed for the development of treble singers by focusing on music designed for Soprano and Alto voices. This course will approach specific issues related to the higher voice and will help singers prepare to successfully audition for Concert Choir and/or Madrigals should they so desire. Women's Choir is recommended for Freshman and Sophomore students, but it is not restricted to them. Selected students may enter 2nd semester. **Fee: \$35 – Fee provides funding for sheet music and a choir t-shirt**

Madrigals

11, 12

Year

Madrigals is Granger's most prestigious choir. The rigors and demands of this choir are much higher as it strives for musical excellence day in and day out. The group also participates in quite a bit of community outreach through performance, which includes several extra performances in the month of December. This course teaches all styles of singing as students experience many cultures and periods of history through their music. Additional fees may apply, including suit or dress costs. **Fee: \$35 - Fee provides funding for sheet music and a choir t-shirt** **Audition required:** Mr. Pulsipher

Theory and Harmony AP

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 to pass the AP Music Theory exam. **Fees: \$15**

CAREER & TECHNICAL EDUCATION

1.0 credit required for graduation

Career Technology Education (CTE) courses provide in-depth instruction to develop manipulative skills, technical knowledge, and related occupational information to 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. **CTE courses include Automotive, Business, FACS, Graphics, Photography, Programming, Welding, and Woodworking.**

Automotive Repair

Small Engine Repair

9, 10, 11, 12

Semester

This course offers an intensive study of the operation, maintenance, and repair of small gasoline engines. Instructional topics include principles of operation of internal combustion engines, repair and service procedures, and disassembly, overhaul, and reassembly. Instruction may also include the operation of two-cycle and four-cycle engines commonly found on lawn mowers, garden tractors, snow blowers, rotary tillers, chainsaws, and other equipment. **Fee: \$15.00 per semester.**

Auto Mechanics 1-2

10, 11, 12

Year

This course teaches theory and proper procedures of disassembly, assembling, and adjusting mechanical units such as vehicle maintenance that includes oil changes, tire rotations, balancing, fan belts, brakes, battery service, the use of hand tools, detailing cars, and familiarize the student with a car's general operating systems. This is a hands-on class to learn about cars of all types. If you drive a car or will drive, you need this class. Ability to bring an older auto or truck is not necessary as students will work in groups on shop cars or their own to get the identical experience. **Fee: \$20.00 per semester.**

Occupational Auto Mechanics 3-4

12

Year

This course builds upon basic automotive knowledge students have about cars. It is designed for students who plan to enter automotive service field or want practical skills for 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. Over 80% of the work is in the shop customizing/repairing students' personal vehicles, building shop project cars and other fun-filled projects. You **WON'T** be disappointed. **Prerequisite: Intro-Auto Fee: \$20.00 (sem)**

Automotive 3 CE AUTO 1010

12

Year – 2 Pds

Concurrent enrollment credit available through SLCC. This course allows students to continue their automotive experience or to prepare for a future as an automotive technician. Upon completion of class and a passing grade of a "C" or better, you will receive 6 SLCC credits that are transferable to other colleges. This course also works well for those interested in technical/engineering programs in various colleges. Over 85% of class is in the shop repairing and maintaining motorized vehicles. The class will go on college visits, repair shops, and various car shows showing students various sides of the automotive field. **Prerequisite: Occupational Auto Mechanics 3-4 (MLR), full year of Auto 1-2, or conference with Mr. Ballew (Rm.J111)** *Students desiring college credit must complete the admissions process for Salt Lake Community College by August 15.

Auto Collision Repair - Beginning

10, 11, 12

Year

If you enjoy working with your hands, have a mechanical aptitude, take pride in your work, and are passionate about cars, then you might consider a career in collision repair. An experienced technician has high income potential, excellent job security and ample opportunities for career advancement within the automotive industry. A 2013 survey from the Collision Repair Education Foundation found that collision repair technicians average nearly \$53K income. Almost one in five technicians earned \$70K or more, demonstrating the attractive earning potential of the trade. **Fee: \$30**

Structural Technician

10, 11, 12

Semester

Prerequisite: Basic Auto Collision Repair

A Structural Technician restores vehicles dimensions and structural integrity to collision-damaged vehicles. Students use three-dimensional measuring and straightening equipment to diagnose and return damaged frame or unibody parts to manufacturer's specifications. Hand tools and power tools are used to remove or repair damaged parts, weld as needed, properly install new parts, estimating damage. **Fee: \$20**

Collision Non- Structural - Advanced

10, 11, 12 2 pd. 1st Semester
10, 11, 12 2 pd. 2nd Semester

This is a full year, 2 period class for advanced students. Students will learn the material first semester, then work on their own project vehicles second semester. A Non-Structural Technician restores damage exterior panels to their original integrity, function and appearance. This technician uses hand tools and power tools to remove or repair damaged parts, weld as needed, and properly install new parts. Students work with a variety of metals and plastics, as well as glass, electrical, and mechanical parts. Students that pass the I- CAR requirements receive an I-CAR Pro Level 1 Non-Structural Technicians. A Refinish Technician prepares and applies paint to repaired vehicles. This individual works with potentially hazardous materials, so attention to safety and personal protection is essential. Vehicles must be correctly prepared and refinished to ensure proper adhesion, color match, and overall appearance. Students that pass the I-CAR requirements received an I-CAR Pro Level 1 Refinish Technician. Fee: \$30 **Prerequisite: Basic Auto Collision Repair**

Auto Refinish AR 1100/AR 1110 CE

11, 12 Year

This course is a college course that will fulfill the first requirement in an automotive refinish degree. Students will sand, prime, paint, and finish a car exterior. 2 period block

Business & Marketing

Business and Marketing count as CTE credits. Students must take Business Office Specialist or Exploring Computer Science to fulfill a graduation requirement.

Business Office Specialist

9, 10, 11, 12 Semester

Students will develop advanced skills using Microsoft Office software. Word, Excel and PowerPoint will be the primary focus with opportunities for extension in Access (database software). Students will have the opportunity to become Microsoft Office Certified in Word, PowerPoint, and Excel. The certification is recognized worldwide as the best method for employers to validate computer skill proficiency. Students will integrate applications learned. This course builds on skills included in Digital Literacy. Fee: \$10

Exploring Computer Science

9, 10, 11, 12 Semester

Exploring Computer Science is a hands on course designed to introduce students to programming concepts and problem solving without getting overly technical and prepares students for future programming course. ECS is designed to start from the bottom up regardless of technical background, will learn foundational concepts in the computer science field. The first part of this course focuses on conceptual ideas of computing and computational practices of algorithm development and problem solving. **State Competency Certificate is available. Lab Manual \$20.00**

Accounting 1

11, 12 Semester

Accounting is the language of business. This is an excellent course for any student looking to prepare themselves for the world beyond high school. This introductory course will take the students through a complete accounting cycle teaching basic accounting skills such as analyzing transactions, cash control systems, the general journal, and the general ledger. It can be used as a math credit toward graduation. **State Competency Certificate avail. Fee: \$35.00**

Accounting 2

11, 12 Semester

Prerequisite: Accounting 1

Students will develop advanced skills that build upon those acquired in Accounting I. Students will work with special journals, inventory, payroll, and many other next level accounting processes and skills.

State Competency Certificate available. Fee: \$35.00 (waived if also taking Accounting 1)

Business Management

9, 10, 11, 12 Semester

PEOPLE SKILLS = Money\$\$\$

Want to be the boss that helps others make \$\$\$? That can be **you** through effective use of:

- Human Relations Expertise,
- Motivational Skills,
- Decision-Making Abilities, and
- Long-Range Planning Knowledge.

The Focus will be on the Four Basic Functions of Management: Planning, Organizing, Directing, and Controlling.

FBLA/DECA participation highly recommended \$20/\$20 = \$40 yearly

Business Communications

10, 11, 12 Semester

This course will fulfill .5 English credit for graduation. Business communications impact all aspects of our lives. This introductory course will teach students to communicate in a clear, courteous, concise, and correct manner on both personal and professional levels. Competency will be developed in oral, written, social, technological, employment, and organizational communication. The overriding objective is to provide students with solid communication skills that allow them to function effectively in any course of study and in our global society.

FBLA/DECA participation highly recommended \$20/\$20 = \$40 yearly

Entrepreneurship

10, 11, 12

Semester

Students will gain an understanding of the marketing and management principles necessary to start and operate their own business. They will develop an awareness of the opportunities for small business ownership and develop the planning skills needed to open a small business. Students will create a business plan for the company they may desire to own and manage in the future. **FBLA/DECA participation highly recommended \$20/\$20 = \$40 yearly**

Exploring Business and Marketing

9, 10, 11, 12

Semester

Students will learn the basics about organizing and leading a business (leadership, accounting, financing, etc.) They will explore different ways to attract and communicate with customers (marketing). Students will also be able to see if a business is making money (accounting). Finally, students will be able to experience what they study in class by joining FLBA or DECA clubs at school.

Marketing I

9, 10, 11, 12

Semester

LET ME MAKE YOU MONEY\$\$\$

You will Develop:

- *Soft skills including teamwork,*
- *Oral communication,*
- *Written communication,*
- *Decision-making, and*
- *Emotional intelligence*

To get you ready for careers such as:

*Healthcare, Hospitality, Travel, Finance, and Management? Come learn what really matters to be HAPPY in the real world! **FBLA/DECA participation highly recommended \$20/\$20 = \$40 yearly***

Digital Marketing

10, 11, 12

Semester

This course provides the student with an understanding of basic marketing principles and training for entry-level job positions in the exciting, constantly changing service fields of advertising and display. Competing successfully as a specialist requires competency in human relations, communications, selling, management, mathematics, and budgeting. One should also understand the appropriate and productive use of display space, television, radio, newspaper, and other media. Specific training helps the student to create, produce, and accurately evaluate the efficiency of the various props, exhibits, and advertising strategies. **FBLA/DECA participation highly recommended \$20/\$20 = \$40 yearly**

Retail Merchandising (School Store)

10, 11, 12

Semester

Students will operate the Granger School Store which will prepare you to operate and run your own business. Students will understand the retail services and assess retail service jobs in the area. **Fee: \$10.00**

FBLA/DECA participation highly recommended \$20/\$20 = \$40 yearly

Customer Service

10, 11, 12

Semester

The students will gain an understanding of the skills, attitudes, and thinking patterns needed to win customer satisfaction and loyalty. Learn and refine tasks necessary for success in the service industry. Work with local businesses and prepare for job opportunities. Develop service strategies, refine service skills, and gain experience to calmly aid customers in decision making. Students taking marketing classes should have the opportunity to participate in the DECA & FBLA organizations (student marketing leadership associations). DECA-FBLA related activities and curricula can be used as an approved part of all marketing classes.

General Financial Literacy

11, 12

Semester

Financial literacy will provide a better understanding of personal finance as students move into adulthood. Students will be able to make more informed monetary decisions, have a realization of greater potential personal wealth, and create improved financial behavior and habits fostering a stronger local and national economy. Topics include: money management, income and expenses, saving and investing, credit/consumer protection, and risk management. Fee: \$10

Family & Consumer Science

Child Development

9, 10, 11, 12

Semester

What do you think it will be like to be a parent someday? How do you want to raise your children? Come explore parenting, pregnancy, babies, toddlers, and preschoolers in this Child Development class. These skills and knowledge will help you learn more about yourself and the people around you. You will get a chance to take home a 'RealCare' automated baby to see what it's like to be a new parent.

Early Childhood Education I

10, 11, 12

Semester

Do you love children or think you might want to be a teacher someday? Take this class to work with children in our on-site Little Lancer Preschool! You'll work in a team and take what you learned in Child Development to plan and teach developmentally appropriate (DAP) lessons to preschoolers. This is a great first step to becoming a teacher, seeing if you like the environment, and learning about careers in which you work with children. It also counts towards earning a Child Development Associate (CDA) certification. **Fee: \$15.00 Prerequisite:** Child Development.

GRANGER HIGH COURSE CATALOG

Early Childhood Education II**10, 11, 12****Semester**

Continue gaining expertise in teaching! You'll continue to practice writing developmentally appropriate lessons (DAP), teach and interact more with the preschoolers and help improve our preschool program. Earn more hours towards your Child Development Associate (CDA) certification. **Fee:** \$15.00 **Prerequisite:** Child Development & Early Childhood Ed 1. **Fee:** \$15.00

Early Childhood Education 3**11, 12****Semester**

Are you a leader? Are you excited to continue working in the Little Lancer Preschool? Advance your knowledge even further by playing a key role in helping run and operate the preschool. Use your advanced skills to teach differentiated DAP lessons and guide the preschoolers in their learning and mastery of the preschool core standards. Learn more about the State Child Care Licensing Rules and continue gaining hours to earn a CDA certification. This course strengthens comprehension of concepts and standards outlined in Science, Technology, Engineering and Math (STEM) education. **Fee:** \$15.00 **Prerequisite:** Child Development, Early Childhood Ed 1 & Early Childhood Ed 2.

Adult Roles and Responsibilities**10, 11, 12****Semester**

This course is Adulting 101: Who do you want to be as an adult? Find out your personality strengths, define your values, improve communication skills for better relationships, make good dating decisions, prepare for the adult responsibilities of choosing a career and a life partner, creating a family, being a parent and budgeting so your money works for you.

Fashion Design Studio**9,10,11,12****Semester**

This course introduces students to the world of fashion. Students will explore their own personal fashion as they study fashion history, fashion designers, psychology of clothing, elements and principles of design, textiles, and fashion related careers. Students will learn and practice drawing fashion models with personalized designs. **Fee:** \$5.00

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

This course builds on the information learned in Fashion Design Studio and introduces students to concepts of entry-level business and fashion marketing fundamentals. Students will learn skills in basic fashion concepts, marketing terminology, fashion cycles, retail merchandise, fashion promotion and fashion careers. **Fee:** \$5.00 **Prerequisite:** Fashion Design Studio.

Food & Nutrition I**9,10,11,12****Semester**

This course is designed for students who are interested in understanding the basic principles of nutrition and maintaining a healthy lifestyle. Focus will be placed on nutrients and the individual food groups. Students will apply this knowledge in the food lab to follow recipes using grain, vegetables, fruit, eggs and dairy products. **Fee:** \$10.00

Food & Nutrition II**10,11,12****Semester**

This course builds on Food and Nutrition 1 and is designed for students who are interested in good nutrition and meal planning throughout life. Emphasis will be placed on cooking preparation, knife skills, sauces, meal planning and the food industry. Other learning topics include sanitation, food borne illnesses, lifecycle nutrition, sports nutrition, and consumerism. Students will apply this knowledge in the food lab to follow recipes to create salads, soups, main dishes, yeast breads and other baked goods. **Fee:** \$10.00 **Prerequisite:** Food & Nutrition 1

Food Science**10, 11, 12****Semester**

This course teaches scientific principles and how those principles can be applied to improve the health of individuals and families. Instruction is given concerning the physical, microbiological, and chemical principles that affect the food we eat. Students will complete research and analysis of food science concepts and participate in lab experiences related to their research and learning. **Fee:** \$10.00 **Prerequisite:** Food & Nutrition 1 & 2

Human Development**11, 12****Semester**

In this course students will study the fundamentals of growth and development from preconception to old age and death. The domains of physical, cognitive, and social-emotional growth for each age in the life cycle are explored in a variety of contexts. This course is well suited for students interested in studying Early Childhood Education or Psychology in post-secondary fields.

Human Development CE**11, 12****Semester**

This course is the concurrent enrollment version of Human Development. Students will be expected to perform at the level of a college freshman, including outside reading and writing assignments. Students will study the fundamentals of growth and development from preconception to old age and death. The domains of physical, cognitive, and social-emotional growth for each age in the life cycle are explored in a variety of contexts. This course is well suited for students interested in studying Early Childhood Education or Psychology in post-secondary fields.

Interior Design 1

10, 11,12

Semester

This course introduces students to the elements and principles of design as well as basic considerations of floor plans and furniture arrangements. Students will develop their creativity as they apply elements and principles in design projects. Professional lettering and presentation techniques will be emphasized. **Fee: \$5.00**

Interior Design 2

11,12

Semester

This course provides students the opportunity to develop more skills in applying the elements and principles of design to interior spaces. Students will study architecture, furniture styles and constructions, surface treatments and backgrounds, design and function of space and lighting. **Fee: \$5.00 Prerequisite:** Interior Design 1.

Sewing 1

9, 10, 11, 12

Semester

This course introduces students to basic sewing, surging, pressing equipment, and textiles. Students will develop basic construction skills by sewing introductory level projects and apparel. The goal of this course is for students to feel confident on the sewing machine and be able to follow a commercial sewing pattern and construct a personal apparel project from start to finish. Students will need to provide their own fabric for the final project. **Fee: \$5.00**

Sewing 2

10, 11, 12

Semester

This course builds on the beginner level skills from Sewing 1. Students will learn many intermediate skills and some advanced skills of clothing construction using the sewing machine and surger. Intermediate level apparel projects of choice will be constructed. Students will be required to provide their own fabric for large projects. Students will have the opportunity to compete in SLCC Project Catwalk Competition for high schoolers. **Fee: \$5.00 Prerequisite:** Sewing 1

Graphics & Digital Media

Graphics 1

9, 10, 11, 12

Semester

This is a beginning course in graphic communication. This course educates students using Adobe Illustrator and Photoshop. Students will learn different design and printing methods. Each student will have a variety of student projects teach basic skills. Projects made in class include: buttons, dogtags, vinyl stickers, t- shirts and mugs. Graphics is a fun and creative experience for everyone from beginner to expert.

Graphics 2

10, 11, 12

Year

If you liked beginning graphics, this is the next class for you. It's an intermediate course that builds on what you learned in the beginning graphics class. You will learn more in depth about Adobe InDesign, Illustrator and Photoshop Projects include: Binding, Business Cards, Multicolor Vinyl Stickers and Multi-side T-shirts. This class is a way to express creativity and develop valuable career skills and make some cool projects. **Fee: \$30 Prerequisite:** Graphics 1

Graphics 3

11, 12

Year

If you liked beginning and intermediate graphics, this is the next class for you. This third course takes you into the advanced levels of Adobe Illustrator, Photoshop, and InDesign used to produce exciting, professional quality designs, and products. You will have the opportunity to make real life products for customers as well as yourself. Your projects will include: Heat Press, Screen Printing, Binding, Banners, Multicolor Vinyl Stickers, Socks, and Multicolor T-shirts. This class is an interesting and exciting way to express creativity and develop valuable career skills and make some cool projects. **Fee: \$30 Prerequisite:** Graphics 2

Graphics Photoshop CE (SLCC ART 1080) (new)

11, 12

Year

Students will be introduced to the major concepts and tools for multimedia design. A strong focus will be placed on learning the fundamentals of Adobe Photoshop, the industry standard for image editing. We will focus on using Adobe Photoshop as a tool to produce imagery for web design, video production, photo illustration, digital publishing and animation. *SLCC course ART 1080. Students must apply for admissions with Salt Lake Community College \$40 (one time admission fee) plus pay a course fee of \$15.* **Fee: \$30 Prerequisite:** Graphics 1 Beginning

Digital Media 1

9, 10,11,12

Semester

Digital media is the process of analyzing, designing and developing interactive media. Digital Media 1 is the first-year digital media course where students will create and learn digital media applications while using elements of text, graphics, animation, sound, video, and digital imaging for various formats. These abilities will prepare students for entry-level multimedia positions and provide fundamental 21st Century Learning skills beneficial for other occupational/educational endeavors. **Fee: \$20**

Digital Media 2

10, 11, 12

Year

Digital Media 2 is a course designed to teach the process of planning, instructional design, development, and publishing of digital media and interactive media projects. Digital Media II is the second year course within digital media pathway where students will focus on advanced skills to plan, design, and create interactive projects using the elements of text, 2-D and 3-D graphics, animation, sound, video, digital imaging, interactive projects, etc. These skills can prepare students for entry-level positions and other occupational/educational goals. **Fee: \$20 Prerequisite Digital Media 1**

Web Development 1

9,10,11,12

Semester

This course is designed to guide students in a project-based environment, in the development of up-to-date concepts and skills that are used in the development of today's websites. They will learn and use the basic building blocks of the World Wide Web: HTML5 coding, Cascading Style Sheets (CSS), and JavaScript. They will follow the proper steps to create a website by planning, designing, developing, deploying, and maintaining of website projects. Students will learn and use different scripting technologies to create more dynamic and interactive websites. This course will prepare students for a career in web development as they complete projects and create their portfolios.

Web Development 2

9,10,11,12

Semester

This course is the continuation of the skills learned in web development 1. Students will learn in a project-based environment, in the development of up-to-date concepts and skills that are used in the development of today's websites. Students will work in teams projects in the development and maintenance of websites. They will also learn about creating Rich content such as video, images, sound, and animation for their web projects. This course will prepare students for a career in web development as they complete projects and create their portfolios. Prerequisite: Web Development 1

Photography

Basic Photography

10, 11, 12

Semester

You've seen those kids with big cameras in the halls: they're photography students! Sign up! After learning about an aspect of photography or camera operation, you'll head out to take some photos. Once you return to class, you'll upload your photos and edit them in Photoshop. Learn how the principles and elements of art can improve your photography. Students will shoot daily image assignments and compete in photo contests. Popular projects include: senior photos, lighting demonstrations, and LED hooping in the Black Box Theatre. Classroom cameras will be available for students use; however, students who own their own digital cameras will enjoy shooting their assigned photos outside of class. The class fee covers access to classroom cameras, prints, studio equipment use, and photographic supplies. This class may be taken again (with written permission). **Fee: \$15**

Advanced Photography

11, 12

Semester

In Advanced Photography, students learn about the commercial end of photography to prepare for one of the many jobs that involves cameras. Students will apply what they learned in Basic Digital Photography with an emphasis on professional standards and assignments found in commercial photography. Students will also produce a portfolio of work to display on a website at the end of the course. Classroom cameras will be available for student use (and overnight checkout), but students who own their own digital cameras will have an easier time completing assigned work for Advanced Commercial Photography. This class may be taken again (with written permission). Prerequisite: Basic Commercial Photography (or AP-level braininess). **Fee: \$15**

Yearbook (Basic Digital Photography)

10, 11,12

Year

Help build the yearbook! Those after-school activities? Yup— you'll go to games, dances, club meetings, plays, etc. As a staff member, you MUST photograph after-school activities. You'll take pictures, interview students, and help build yearbook pages. You'll tell the story of the entire year in our yearbook: The Granger Shield. This project involves ACTUAL deadlines that might require after-school participation. The class fee covers field trips, notepads, lots of pens, and access to expensive cameras for after-school use. **Fee: \$15**

Video Game Development

Game Development Fundamentals

9, 10, 11, 12

Semester

This course is designed to provide students with knowledge and project based experience of fundamental gaming development concepts relating to STEM. These concepts include game design, scripting, creation of digital assets, graphic resources, animations, understanding hardware, problem solving, critical thinking, collaboration, and project management. This challenging, fast-paced class is intended for self-motivated students who are interested in pursuing our new four-year CTE program in game development as either a programmer or an artist. It will expose students to both programming and 3D art creation so that they can make an informed decision on which fork of the program to pursue. **Class Fee: \$15**

Computer Programming 1

10, 11, 12

Year

An introductory course in computer programming/software engineering and applications. The course introduces students to the fundamentals of computer programming. Students will learn to design, code, and test their own programs while applying mathematical concepts. Students will learn the C# programming language while creating

progressively more complex games in Unity 3D. Students will complete a series of tasks requiring the use of increasingly complex programming structures. This will not only teach them the required programming skills for the course, it will also teach them to use Unity 3D's various features, building a foundation for the more advanced classes to follow. **Prerequisites:** C or higher average in previous year's math and English courses; Game Development Fundamentals (may enroll concurrently) **Class Fee:** \$25

Software Design Video Games

11, 12

Year

An advanced course in computer programming/software engineering and applications with a focus on video game design. This course allows the student to explore the topics that interest them by creating a personal plan for research and development and then following that plan to extend the students understanding and mastery. Students will expand their mastery of the C# programming language while creating progressively more complex games in Unity 3D. **Class Fee:** \$25

Graphic Design Video Games

11, 12

Year

An advanced course in 3D modeling and animation with a focus on video game design. This course allows the student to explore the topics that interest them by creating a personal plan for research and development and then following that plan to extend the students understanding and mastery. Students will expand their mastery of 3D modeling and animation techniques while creating progressively more advanced projects in Blender and Unity 3D. **Class Fee:** \$25

3D Graphics / 3D Animation

10, 11, 12

Year

3D Graphics / 3D Animation is a full year course. Students will use 3D graphics software to produce 3D models. This course will introduce students to 2D and 3D modeling, the creation and application of textures, mapping, lighting, camera techniques, and rendering of 3D models. This will teach students the technical and creative skills required for the course. Students will also use 3D graphics software to rig 3D models with control skeletons for inverse kinematics and create animations. This course will introduce students to advanced concepts in 2D and 3D, animation planning, storyboard development, and the animation process. This course is part of our 4-year CTE pathway for 3D artists in Video Game Development. Our approach will be focused on hands on applications using Blender, DAZ Studio and Unity 3D (all of which are freely available for use at home, as well). In addition to using key frame animation techniques, students will use both low-end and high-end motion capture hardware to digitize their own movements to create animation. Students will create game art projects to complete a series of tasks requiring the use of increasingly complex 3D modeling and animation skills. **Class Fee:** \$15 per class

Video Productions

Video Production 1

10, 11, 12

Semester

This course is designed to provide an overview and introduction to the three basic phases of filmmaking: pre-production, production, and post-production. This course covers higher-level thinking skills and art-related technology skills. There is an emphasis on the creation of films using electronic media for the school and for individual projects. You can take this course one semester, but we highly recommend you sign up for the full year so you can participate in the film festival at the end of the year. This course is a prerequisite for GTV. **Fee: \$20**

Video Production 2

10, 11, 12

Semester

Students are encouraged to take Video Production before taking this class. This course is a follow up to video productions 1 and builds upon principles learned the first semester. Students will continue to work through the three phases of film making and will participate in the end of the year film festival. **Fee: \$10**

TV Broadcasting - GTV

11, 12

Year

This course is the broadcasting class for Granger High. Students will use the three basic phases of filmmaking: pre-production, production, and post-production to produce daily announcements and weekly video shows. This course covers higher-level thinking skills and art-related technology skills. There is an emphasis on the creation of films using electronic media for the school and for individual projects.

Welding

Metalworking 1

9, 10, 11, 12

Semester

Students participating in this course will learn the principals of electric arc welding, gas welding, and general shop safety. This is an entry-level course in Metalworking. Students create projects using metalworking equipment, tools, materials and technology from various trades. Some of the metalworking processes are sand casting, welding, metal bending, lathing, milling, and plasma cutting. This is a one-semester course of instruction. **Fee:** \$15.00

Welding Technician

9,10,11,12

Semester

Students participating in this course will learn the principals of electric arc welding, gas welding, gas torch cutting, and general welding shop safety. The correct use of welding equipment and technical information concerning the various types of materials will be stress. The students will also learn how to read blue prints and welding symbols. Fee: \$15.00

Intermediate Welding

10,11,12

Year

Students will continue to practice skills learned in the Welding Tech Entry course. In addition, students will learn and practice the following welding processes: flux core arc welding (FCAW), gas tungsten arc welding (GTAW), and carbon air arc cutting (CAC). Blueprint reading, including weld symbols, will also be studied. Once assigned welds are passed, personal projects may be constructed at student's own expense. Fee: \$30.00 Prerequisite: Welding Tech Entry. **Pre-req. – Welding technician, Metalworking 1 or teacher approval.**

Welding Technician Advanced

10, 11, 12

Year

This course will prepare students for advanced training in related fields at a University or a technical college. Skills gained will also prepare the welder for an entry level job in the welding industry. The advanced welding course covers SMAW, GMAW, GTAW, oxy/acetylene welding in all positions, brazing, plasma cutting and ACAC gouging. New welding processes are also thought. Welding coupons and individual projects will be constructed to practice welding skills. **Fee: \$30.00 Prerequisite:** Intermediate Welding or teacher approval.

Welding CE WLD 1005 CE

11, 12

Year

Concurrent enrollment credit available through SLCC. This course will prepare students for advanced training in related fields at a University or a technical college. Students will learn basic principles of the arc and acetylene welding including flat and horizontal welds, brazing and cutting techniques. Pre-requisites: intermediate, advanced and teacher approval ***Students desiring college credit must complete the admissions process for Salt Lake Community College by August 15. Materials fee: \$30.00**

Woodworking

Manufacturing Technology

9

Semester

This course will have an emphasis on products that are made from wood. Personal projects will used as the prototypes for product development. Students will design and make items that will be developed using manufacturing principles; cottage industry, mass production, and lean manufacturing. Students will use creativity as they develop and design products that will be marketed through a business plan. **Fee \$15.00**

Woodwork 1

9, 10, 11, 12

Semester

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: \$15.00.**

Woodwork 1-2

10, 11, 12

Year

This is an excellent foundation course for a career in woodworking or construction. It is designed to instruct students in the areas of reading project drawings, knowledge of woods and uses, calculations of materials, numerous joinery designs, wood lamination and project procedures. A major emphasis will be placed on shop safety, proper hand and power tool usage and wood processes. Students will be required to pay for the wood used on their individual projects. **Fee: \$35.00.**

Woodwork 3-4 (Furniture Design/Manufacturing)

11, 12

Year

This woodwork course consists of designing, planning, and using hand and power equipment correctly and safely. This course provides students with in-depth instruction in the woodshop. Students will use practical knowledge needed to work on their own projects and continue with lifelong skills in woodworking. Safe practices, design, finishes, and furniture design and manufacturing will be this courses main purpose. Students will be required to pay for the wood used on their individual projects. **Fee: \$35.00.**

Cabinet Making 1-4 CE CMGT 1200

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. **Fees: \$35.00. *Students desiring college credit must complete the admissions process for Salt Lake Community College by August 15.**

Air Force ROTC

AFJROTC

9, 10, 11, 12

Year

This JROTC course is designed for students interested in enriching their high school experience with a military-type experience. Students participate in Aerospace Studies, Leadership Education, physical training, drill, teamwork and

uniform/grooming inspections. Several field trips are offered each year including possible opportunities to fly. The program is open to both male and female students and each period has the same curriculum. Enlisting in the military after high school is NOT required. Students will be provided both a PT uniform and an Air Force uniform at no charge. Cadets will be required to wear their uniform once a week. Cadets will be able to participate in one or more after-school activities and community service projects to reap the full benefit of the course.

ENGLISH

4.0 credits required for graduation

Utah State Core Curriculum provides the guidelines for selecting materials and developing objectives for high school level language arts course work. The College Board provide the curricular guidelines for the college and university credit courses. **All classes include instruction in writing, reading, listening, speaking and viewing.**

English 9 Core **9** **Year**
 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.

English 9 Honors **9** **Year**
 Open your mind through the study of world literature. We will use language skills to work on developing students' ability to clearly communicate thoughts. Students **must be prepared to complete homework each night** (*around thirty minutes*) to better grow abilities. This rigorous course includes instruction for college-bound students.

English 10 Core **10** **Year**
 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.

English 10 Honors **10** **Year**
 Open your mind through the study of world literature. We will use skills as we work on developing your ability to clearly communicate your thoughts. If you take this course, you will be thrilled with your growth by the end of the year, but you **must be prepared to complete homework each night** (*around thirty minutes*) so that we can better help you grow your abilities. This rigorous course and it is a preparatory course for Advanced Placement English.

English 11 Core **11** **Year**
 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.

English 11 Honors **11** **Year**
 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 Advanced Placement English. This rigorous course includes instruction for college-bound students.

English 12 Core **12** **Year**
 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. The 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 of several genres.

Advanced Placement English Literature **11, 12** **Year**
 This course includes rigorous instruction and course work for highly motivated juniors and 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 of several genres. Students must have excellent writing and reading comprehension skills. Students may earn up to 6 hours of credit with a completion of the course and a satisfactory score on the AP test.

Advanced Placement English Language **11, 12** **Year**
 This course includes rigorous instruction and course work for highly motivated juniors and 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 rhetorical skills and analysis and focuses on the many methods writers use to communicate ideas and experiences. Students must have excellent writing and reading comprehension skills.

English 12 CE (ENG 1010) **12** **Semester**
 Students must enroll with SLCC to be in this class. English 1010 (Concurrent Enrollment) is the required English course

for all college students. You have the chance to take this class while you are still in high school and earn the three credits for English 1010. We will study the necessary college English skills: research, analysis, synthesis, genres of text, and conventions of college English. English 1010 is a rigorous class, but this is a great opportunity to make the necessary transition to college work while still in high school. Fees: Students purchase their own textbook. Pre-requisites: ACT Reading score 20, Accuplacer score 81, or successful completion of English 990. ***Students desiring college credit must complete the admissions process for Salt Lake Community College by August 15.**

English 12 CE (ENG 2010) **12** **Semester**
 Students must enroll with SLCC to be in this class. English 2010 (Concurrent Enrollment) is the second required English course for all college students. If you successfully complete English 1010 (with a grade of C or better), you have the chance to take this class while you are still in high school and earn three more college credits for English. We will continue the study the necessary college English skills: research, analysis, synthesis, genres of text, and conventions of college English. English 2010 is a rigorous class, but this is a great opportunity to make the necessary transition to college work while still in high school. Fees: Students purchase their own textbook. Pre-requisites: Successful completion of English 1010. ***Students desiring college credit must complete the admissions process for Salt Lake Community College by August 15.**

English Electives

Newspaper: The Tri-Color Times (Journalism) **9, 10, 11, 12** **Year**
 Join the newspaper staff as a reporter! With notebook in hand, you'll interview students from around the world for Granger's newspaper: The Tri-Color Times. You'll shoot fantastic, story-telling images. You'll write and edit and write and publish. Maybe you'll go undercover to expose the corruption and madness lurking in Granger's crazy halls! You'll blog. You'll update. You'll tweet. You'll even text. Text? Text!!! In class! Yay! Start following us on Instagram: Instagram.com/tricolortimes—3000+ students at Granger High School want the truth, and they're counting on you to deliver. The class fee covers field trips, notepads, lots of pens, and access to expensive cameras for after-school use.

Creative Writing 1 **10, 11,12** **Year**
 Join Granger's writing community! Students will read and write a variety of short fiction, poetry, and creative non-fiction pieces. Students will learn a variety of writing styles, techniques, and devices to create more compelling literary works.

Creative Writing 2 **12** **Year**
 Showcase your mad writing skills! Students will engage in creative writing workshops and work collaboratively to produce a literary magazine (fall and spring). Students can expect to read, write, critique, perform, and discuss short fiction, poetry, and creative non-fiction. We will look closely at various genres, structures, forms, and styles to help us hone our writing skills. Students should expect to give and receive feedback in a workshop setting. **Pre-requisite:** Creative Writing 1, formerly "Literary Magazine"

Debate 1-2 **9,10,11,12** **Year**
 This is a beginning class for those interested in the fundamentals of speech and debate. The course focuses on public speaking, argumentation, and competitive debate. Students will have the opportunity to participate in interscholastic tournaments and be a part of the GHS debate team. Fee: \$60

Debate 3-4 **10, 11, 12** **Year**
 This is an advanced class to prepare students for competition in debate who have already participated in Debate 1-2. Students will have the opportunity to participate in interscholastic tournaments and be a part of the GHS debate team. **Fee:** \$90

General Fiction I **9, 10** **Semester**
 Do you like to explore other worlds, other people, other realities? Do you want to challenge your brain, imagination, and intelligence? Do you want to increase your knowledge of culture, history, worldviews, and new ideas? Do you want to be inspired? Then this is the course for you. The fact is, reading makes you smarter AND... it is FUN. Join this class and you will be joining others who enjoy reading, discussing, and delving into the world of fiction.

General Fiction II **11, 12** **Semester**
 According to Emily Dickinson, fiction is a boat to "take us lands away" without having to pay for the trip! Come visit places you've always dreamed of going or nightmares you hope you'll never have. Explore the great fiction of the world (and what makes it great!) in this class where our main purpose is to read and talk about what we read with others. Books open the door to knowledge, break the chains of ignorance, and feed the belly of curiosity. Join this class and let's take a journey together!

Reading Fundamentals **9** **Year**
 Reading Fundamentals is offered to 9th grade students who score as "intensive" or "strategic" at-risk based on their spring Reading Inventory (RI) assessment. This course focuses on fundamental reading skills, including reading strategies, vocabulary development, reading fluency, and critical-thinking skills. Students will have many opportunities for applying reading strategies before, during, and after each text to prepare them for college and career level reading.

"No skill is more crucial to the future of a child, or to a democratic and prosperous society, than literacy." - LA Times, "A Child Literacy Initiative for the Greater Los Angeles Area"

Effective Communications CE (COMM 1010) **11, 12** **Semester**

This concurrent enrollment class will teach communication principles and practice applied in dyadic, group, written, electronic, and oral presentation assignments. Listening, perception, verbal clarity, nonverbal, diversity, conflict management and interviewing in workplace and interpersonal settings. This class will give you 3 hours of college credit and this is a required class in every school around the country. Get it done in high school. **Students desiring college credit must complete the admissions process for Salt Lake Community College by August 15.*

Public Speaking CE (COMM 1020) **11, 12** **Semester**

This SLCC concurrent enrollment class will focus on preparing and delivering speeches for civic and professional occasions. Basic theory and skills practice, including audience analysis, anxiety mgt, critical listening, supporting claims with evidence, persuasion, motivation, delivery. This class will give you 3 hours of college credit and this is a required class in every school around the country. Get it done in high school. **Students desiring college credit must complete the admissions process for Salt Lake Community College by August 15.*

MATHEMATICS

3.0 credits required for graduation.

Passing grades in Secondary 1, Secondary 2 and Secondary 3 required.

Honors Program in Mathematics prepares students to complete AP Calculus or AP Statistics in senior year.

Freshmen – Secondary Math I or Secondary Math I Honors

Sophomore – Secondary Math II Honors

Junior – Secondary Math III Honors

Senior – Calculus, Calculus/Physics AP or Statistics AP.

Secondary I **9** **Year**

Students in Secondary Mathematics I focus on linear and exponential relationships, congruent figures, reasoning with equations, and interpreting data. Additionally, students will make connections between algebra and geometry through coordinates.

Secondary I Honors **9** **Year**

Students in Secondary Mathematics I focus on linear and exponential relationships, congruent figures, reasoning with equations, and interpreting data. Additionally, students will make connections between algebra and geometry through coordinates. Honors will also cover Vector quantities and operations on vectors as well as matrices operations and applications. Students who continue in the honors track will be prepared for Advanced Placement Calculus their senior year of high school.

Secondary II **10** **Year**

The focus of Mathematics II is on quadratic expressions, equations, and functions; comparing their characteristics and behavior to those of linear and exponential relationships from Mathematics I as organized into 6 critical areas, or units. The link between probability and data is explored through conditional probability and counting methods, including their use in making and evaluating decisions. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Secondary II Honors **10** **Year**

This course is the same as Secondary Math 2 but at an accelerated pace so that more Pre-Calculus ideas can be incorporated in. A student taking the honors courses all three years will be ready to take Calculus as a senior. Prerequisite: Secondary Math 1(Honors)

Secondary III **11** **Year**

This class is designed to present an integrated approach to Intermediate Algebra, trigonometry and pre-calculus. It will continue on principles touched upon in secondary II and increase students understanding of higher level math. This class is counts as the third year math requirement for graduation. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Secondary III Honors **11** **Year**

This accelerated class is designed to present an integrated approach to Intermediate Algebra, trigonometry and pre-calculus. This class is counts as the third year math requirement for graduation. The Mathematical Practice Standards

apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Math Decision Making for Life

11, 12

Year

This course includes mathematical decision making in finance, modeling, probability and statistics, and making choices. The four quarters of instruction will be independent of each other, allowing students to enter and exit the course quarterly. Students will make sense of authentic problems and persevere in problem solving. They will reason abstractly and quantitatively while communicating with others. Students will use appropriate tools, including technology, to model mathematics

College Prep Math

12

Year

College Prep Math formalizes and reinforces concepts learned from Math 1,2 and 3 to provide students with the skills and understanding to succeed in College Algebra (Math 1050) Students that are planning on going to college, but did not do well in Math 1 2 and 3 should take this class. It will also help prepare you to take the ACT Math test.

Prerequisite: Math 3 or Math Decision Making

Math 1030 Intro to Statistics CE

12

Semester

This course is an appropriate culminating mathematics course for the general studies or liberal arts student majoring in humanities or other programs not related to math and science. The course covers a broad scope of mathematical topics as they apply to real-world problems. Topics include reasoning and number sense, finance matters, probability and statistics, and modeling. **Students desiring college credit must complete the admissions process for Salt Lake Community College by August 15.*

Math 1040 Intro to Statistics CE (3 credits)

12

Semester

This course is a concurrent enrollment class that includes descriptive and inferential statistical methods. Emphasis on sampling design; descriptive statistics; linear regression and correlation; probability; sampling distributions; hypothesis testing and confidence intervals. Course is recommended particularly for students in programs desiring statistical literacy, including (but not limited to) Social Science, Behavioral Sciences, and Nursing. **\$15.00 online workbook fee and \$5 per credit hour tuition fee (3 credit hours total = \$15).** **Students desiring college credit must complete the admissions process (including a \$40 one-time admission fee for all CE classes) for Salt Lake Community College by August 15.*

Math 1050 College Algebra CE (4 credits)

12

Semester

The course is an algebra class designed to prepare students to enter either engineering or calculus courses. It continues to explore, in greater depth, standard algebra topics many of which were addressed in Math 1010. College Algebra satisfies quantitative literacy requirements for graduation. Students not intending to take calculus should investigate 1030, 1040, 1090 as alternate courses that satisfy the literacy requirement. Prerequisite: a 23 math and 18 reading ACT score. **\$15.00 online workbook fee and \$5 per credit hour tuition fee (4 credit hours total = \$20).** **Students desiring college credit must complete the admissions process (including a \$40 one-time admission fee for all CE classes) for Salt Lake Community College by August 15.*

Math 1060 Trigonometry CE (3 credits)

12

Semester

This course is intended to prepare students for a comprehensive course in calculus by teaching concepts and facts required for a major in math, physics, chemistry, engineering, and computer science, as well as many of the life sciences. The course presents trigonometric functions, polar functions, trigonometric equations, and solutions of right triangles and oblique triangles. Polar coordinates, complex numbers, and vectors are also introduced. Students are required to know basic trigonometric facts. Prerequisite: Math 1050. **\$15.00 online workbook fee and \$5 per credit hour tuition fee (4 credit hours total = \$20).** **Students desiring college credit must complete the admissions process (including a \$40 one-time admission fee for all CE classes) for Salt Lake Community College by August 15.*

Introduction to Statistics

12

Year

This class is 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: **A Graphing calculator with statistical applications will be required**

A.P. Statistics

11, 12

Year

This course is an Advanced Placement course that explores the ideas of probability, statistics and analysis of mathematical data. This course is for a college bound student who is not intending to take Calculus. Upon passing the AP test, a student may receive up to 8 semester hours of college credit (depending on the accepting institution). This course may be taken at the same time as Math 3, AP Calculus. **Prerequisite:** Secondary Math 3.

A.P. Calculus AB

12

Year

This is an Advanced Placement course covering the 1st semester of college level Differential and Integral Calculus. Topics include limits, continuity, differentiation, and integration with selected applications. Upon passing the AB advanced placement test, students may receive up to 8 semester hours of college credit, depending on the university. Prerequisite: Math 1050/1060, or Secondary Math 1 Honors, Secondary Math 2 Honors and Secondary Math 3 Honors. Note: Students taking this course should sign up for the Calculus Independent Study class.

A.P. Calculus BC

12

Year

This is an Advanced Placement course covering the 1st and 2nd Semester of college level Differential and Integral Calculus. Topics include limits, continuity, differentiation, integration, series, parametric and polar equations, and selected applications. Upon passing the BC advanced placement test, students may receive up to 8 semester hours of college credit and a higher class placement depending on the university. Prerequisite: Honors Secondary 3 or Math 1050/1060 Note: Students taking this course should sign up for the Calculus Independent Study class.

Calculus Independent Study

12

Year

This is an optional course but is, strongly suggested. This course allows students more time to work on their Calculus and to get extra help. Time will be spent on clarifying and exploring concepts taught in the regular class.

PHYSICAL EDUCATION & HEALTH

.50 credit of Fitness for Life required for graduation

Fitness for Life

9, 10

Semester

This course is designed to help each student become involved in and adopt a personal lifestyle of regular physical fitness. Students will understand fitness components including weight control, caloric expenditure, heart rate, and stress management. **Fee: \$10.00 Must pass Fit. for Life before Lifetime Sports or Weight Training.**

.50 credit of Health required for graduation

Health

9, 10, 11, 12

Semester

Students study concepts that deal with the emotional, mental, physical, social and environmental well-being of an individual. Habits and practices are discussed that will contribute to living a healthy lifestyle.

P.E. Electives

1.0 credit required for graduation

Dance classes may also be used as PE elective credit.

Participation Skills & Techniques

9 only

Semester

This one semester class is designed to offer an introductory level of instruction in individual, dual or team sports. Daily participation and appropriate dress is required. **Fee: \$10.00**

Weight Training 1-4

11, 12

Semester

This physical education class is geared towards muscular strength, muscular endurance and overall body composition. Students must be self-motivated and want to work hard. **Prerequisite: Fitness for Life. Fee: \$10.00**

Female Only Section - Weight Training

11, 12

Semester

This physical education class is geared towards muscular strength, muscular endurance and overall body composition. Students must be self-motivated and want to work hard. **Prerequisite: Fitness for Life. Fee: \$10.00**

Aerobics

9, 10, 11, 12

Semester

This class is for conditioning and weight loss. It develops physical fitness and endurance. This includes aerobics, Pilates, yoga, muscle focus, conditioning, jogging, relaxation, and Zumba. This will help students with weight control and self-esteem. **Fee: \$10.00**

Lifetime Sports 1-2

10, 11, 12

Semester

Students develop skills in a variety of lifetime activities such as Basketball, bowling, soccer, volleyball. **Prerequisite: Fitness for Life. Fee: \$10.00**

Water Aerobics

9, 10, 11, 12

Semester

This is a cardiovascular workout done inside the water. No swim or exercise experience is necessary to take this course. **Fee: \$10.00**

Cheerleading

9, 10, 11, 12

Year

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.**

ATHLETICS VARSITY

9, 10, 11, 12

Semester

Men's Athletics – 4A

Women's Athletics – 4B

Athletics is a special program organized within the school. It is an elective course which includes the students who wish to play on the school's competitive athletic teams. **Prerequisite: students participating in the class must have a 2.0 GPA and no more than one F letter grade.**

Men's = baseball, basketball, soccer, track, tennis, and wrestling. Women's = This includes track, softball, basketball, wrestling, soccer, tennis, and volleyball. Fee: \$10

Swimming 1

10, 11, 12

Semester

This class offers basic swimming skills for the intermediate swimmer. This class is organized to teach student stroke development, diving and lifesaving activities while providing an alternative in water workout with some fun along the way.

Swim Team

9, 10, 11, 12

Year

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

SCIENCE

3.0 credits required for graduation

Biology 1-2

9, 10, 11, 12

Year

Biology exposes students to a wide range of biological science topics such as the characteristics of life, cellular processes, genetics, evolution, and ecology. This course is designed to meet the diversified needs of students who require biology for future employment or education. **Lab Fee: \$15.00**

Honors Biology

9, 10, 11, 12

Year

This course will cover all the basic concepts learned in Biology 1-2 in greater depth and at an accelerated pace. It is designed for the student who is looking for an academic challenge or those intending to enroll in A.P. Biology. **Lab Fee \$15.00 per semester**

AP Biology

11, 12

Year

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 six semester hours of college credit may be given upon passing of the Advanced Placement Examination. **Prerequisite: B or better in Biology 1-2, B or better in Honors Biology, B or better in Chemistry Lab Fee \$15.00**

Wildlife Biology

9, 10, 11, 12

Semester

This course is designed to discuss the interaction between humans, wildlife, and the environment. First semester emphasis is placed on conservation, ecology, speciation, and dinosaurs. Second semester emphasis is placed on the interesting details of certain animal classes and groups such as mammals, marine, reptiles, insects, and birds.

Fall – Environment; Spring – Wildlife. Fee: \$15.00 per semester.

Forensic Science

10, 11, 12

Semester

Forensic Science is an introductory course in which students will have the opportunity to explore how scientific principles are used in analyzing physical evidence found at crime scenes. Students are introduced to the wide array of career choices in forensics. The fundamental objective is to teach the basic processes and principles of scientific thinking, the Scientific Method, through crime scene investigation so as to apply them to solving problems. The focus will be to introduce students to some of the specialized fields of forensic science, the principles of science and technology upon which they are based, and the application of these principles to various analyses of crime scene evidence. Fee: \$15

Chemistry

10, 11, 12

Year

Chemistry is the study of matter its properties, energy and changes. Topics covered include atomic theory, equations, the states of matter, equilibrium and applications of chemistry in society. This is the introductory course with an emphasis on qualitative observations and mathematical relationships. Students should be concurrently enrolled in Secondary Math -1 or have successfully completed Math I. **Fee: \$15.00 per semester**

Chemistry Honors

10, 11, 12

Year

This is a basic Chemistry course that is designed for the college bound student. The course will cover atomic theory, reaction types, equilibrium, kinetics and other principles of Chemistry. Importance is placed on chemistry's qualitative

and algebraic relationships. Students should be concurrently enrolled in Honors Secondary Math II or have successfully completed Honors Secondary Math II. **Fee: \$15.00 per semester.**

AP Chemistry

11, 12

Year

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. The course is split into two periods and includes a lab portion. Successful completion of both this course and the advanced placement examination may result in the award of up to six semester hours of credit by some colleges and universities. Students will need to plan on 1- 2 hours on homework or independent study in the evenings. **Prerequisites: Chemistry 1-2 H or Physics AP (B). Teacher Approval: Banks/Pluim/Rechsteiner. Fee: \$15.00 Lab**

Chemistry CHEM 1010 CE

11, 12

Semester

This concurrent enrollment class is designed for students who want to obtain a basic understanding of chemistry and to also learn the concepts of modern chemistry. Chemistry is the study of matter, its properties, energy and changes. Topics covered include atomic theory, equations, the states of matter, equilibrium and applications of chemistry in society. **Prerequisites: Chemistry 1-2 H or Physics AP (B). Teacher Approval: Pluim/Rechsteiner. Fee: \$10.00 Lab Fee: \$40 registration fee through SLCC. *Students desiring college credit must complete the admissions process for Salt Lake Community College by August 15.**

Earth Science

9, 10, 11, 12

Year

Earth and Space Science standards investigate the formation of Earth, the galaxy, and the Universe. Students explore models of the Sun and how it releases energy, and analyze Earth's 4.6 billion year history, including a model of Earth's interior and how it changes over time. Students investigate properties of water to determine its effects on Earth materials, and then use computational thinking to explain sustainable and natural resources, focusing on responsible stewardship and designing solutions to problems in these areas. Major concepts include astronomy, the geosphere, hydrosphere, atmosphere, and conservation.

Earth Science Honors

9, 10, 11, 12

Year

This full year honors course is designed for college bound and highly motivated students. This course will cover the basic concepts learned in Earth Systems, but to a greater depth and at an accelerated level. It is designed for the advanced students who are looking for an academic challenge and are naturally curious about the world around them. **Fee: \$15**

Environmental Science

10, 11, 12

Year

Environmental Science is a multidisciplinary field of study that integrates physical and biological sciences. In this class we will be studying the environment through the lenses of biology, chemistry, physics, geology, ecology, zoology, mineralogy, atmospheric science, economics and sociology. We will be using case studies to further the application of theoretical concepts. Students will use the concepts learned from the class to do a research project on an environmental problem of their choosing for their final project.

AP Environmental Science

10, 11, 12

Year

AP Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. **Prerequisites:** two years of high school laboratory science—one year of life science and one year of physical science (e.g., a year of biology and a year of chemistry). Upon satisfactory completion the AP Environmental test, 4 semester hours of college credit may be given by colleges and universities.

Physics

10, 11, 12

Year

This is a full year course. Physics is one of the oldest academic disciplines. It is the science about how things work in our universe. This course will introduce students to the principles of physics including mechanics, energy, waves, optics and electricity. Students will learn to conduct laboratory experiments and evaluate the data from those experiments. No pre-requisites.

Physics 1-2 Honors

10, 11, 12

Year

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. This is a college preparatory course; for students who are enrolled in honors math classes. Prerequisite: Enrollment in Secondary II

AP Physics C

11, 12

Year

This is a rigorous full year course which uses calculus to explore mechanics. This course will have an emphasis on mathematical, quantitative calculations and their applications to physics. Upon satisfactory completion of the AP Physics

(C) tests, college credit may be given by colleges and universities. Prerequisite: Have completed or currently enrolled in Calculus.

Astronomy 1

11, 12

Semester

This class studies the Cosmos. Building their own book of astronomy, students study the local sun and planetary neighborhood, then continually widen their view as we eventually consider the entire cosmos. Topics include the formation of the solar system, the life cycle of stars, galaxies and their types, and the latest ideas of dark matter and dark energy. The course ends with discussions of early astronomers and humanity's future in exploring the galaxy. Suggested pre-requisite: Earth Science.

Astronomy 2

11, 12

Semester

Picking up where Astronomy 1 left off, students will add 4 more chapters to the book of astronomy they created in the prior course. Topics include the search for extra-terrestrial life, the martyrs and heroes of Astronomy and scientific discovery, the cutting edge of technological innovation and triumphs of the human spirit in the face of adversity. Students complete the course in two sections—postulating what future space explorers may experience, and analyzing history's greatest, most surprising astronomical advancements and discoveries. Required pre-requisite: Astronomy 1.

FRESHMAN SUCCESS

Freshman Success

9

Year

Required course: This course will equip students with the knowledge and skills they need to succeed in high school and graduate ready for college, career and life. Students will learn how to navigate the high school system and how to monitor their progress toward graduation. The course will focus on life-skill development, academic planning, and information on all of the options, opportunities and resources available to ensure high school and future success.

SOCIAL STUDIES

3.50 credits required for graduation

All high school students are required to complete Human Geography, World Studies, American Studies and a semester of American Government. 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.

Geography for Life

9

Year

This course is required for graduation. Students will examine how humans interact with environments, and they will analyze demographics, cultures, political systems, and economics.

Honors Geography

9

Year

This course is **required for graduation**. Students will examine how humans interact with environments, and they will analyze demographics, cultures, political systems, and economics.

AP Human Geography

9

Year

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. Students also learn about the methods and tools geographers use in their research and applications. Students who earn a qualifying score on the AP Exam receive college credit.

World Civilizations

10

Year

This course is **required for graduation**. This course focuses on the interaction between our physical and cultural environments. We will study historical demographics, cultures, political systems, and economics throughout the course of the year.

Honors World Civilization

10

Year

This full year program utilizes acceleration and enrichment of the world studies curriculum to prepare students for advanced placement courses and college work. The course is designed for students who are self-motivated learners and want a strong academic program that involves the use of critical, analytical and creative thinking skills. This class involves more work and study than a regular history class. Students should have successfully completed a gifted and talented program or demonstrated superior performance in regular social studies and English classes.

World Studies AP

10

Year

Students will investigate significant events, individuals, developments, and processes from pre-history to the present with an emphasis on post 1200 CE historical trends. Students develop and use the same skills, practices, and methods

employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

U.S. History II 11 Year

This course is **required for graduation**. This class includes the study of United States history from the 1870's (Industrial Revolution) to the present.

U.S. History Honors 11 Year

This class is an optional replacement to the required US History II course. This class includes the study of United States history from the 1870's (Industrial Revolution) to the present. Students taking this honors class should have a current GPA of 3.0 or higher and be willing and able to work at a higher level of learning and ability to do class projects outside of class time. Students will participate in class discussions, write historical essays and complete historical research. Students will have the opportunity to participate in National History Fair.

U.S. History AP 11 Year

This class is an optional replacement to the required US History II course. Advanced Placement American and European History are college level programs that require 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.

American Government & Citizenship 12 Semester

This class is **required for graduation**. 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.

Social Studies Electives

American Civilization CE HIS 1700 12 Semester

Students must enroll with SLCC to be in this class. This course covers American History from the Pre-Columbian period to the present. It provides a thorough examination of the major social, political, and economic events, issues, and themes of the period. This course fulfills both the American Government requirement for high school graduation and the American institutions requirement at SLCC and other state colleges. Prerequisites: 20 on the ACT or 18 on the SLCC Decision Tree Test. ****Students desiring college credit must complete the admissions process for Salt Lake Community College by August 15.***

AP American Government 11, 12 Year

This Advanced Placement course in American Government and Politics is designed to give students a critical perspective on politics and government in the United States. The course involves both the study of general concepts used to interpret American politics and the analysis of specific case studies. Students will learn about how the United States functions on a local, national, and international scale. Students will also study various institutions, groups, beliefs and ideas fundamental to understanding the functioning of the American political system. The course will include an in-depth study of the United States Constitution as well as important Supreme Court cases. Students may earn college credit at the end of the year with the successful passing of the A.P. test. This class will satisfy the Government and Civics requirement for graduation.

American West 11, 12 Semester

American West explores history from 1800 to 1900 in the states west of the Mississippi River. Western history is unique in its development, settlement and modern-day issues. The study begins with the Louisiana Purchase 1803 and includes: mountain men, Manifest Destiny, Mexican American War, mining, pioneer experiences, Transcontinental Railroad, Native Americans and the building of western towns and cities. *This is an elective history class*, where students will participate in a variety of projects dealing with western culture, experience the western heritage and understand its influence on modern history.

Contemporary Issues 11, 12 Semester

To better understand the world and society we live in, students will examine and analyze major current events and issues and how these affect society and individuals. The overall objectives of this course are to make connections between current events, to enhance the students' understanding of the world, to encourage students to be informed citizens, and to help students make intelligent decisions.

Humanities**10, 11, 12****Semester**

Humanities is the study of what it means to be human. This course is designed for the inquisitive, mature student. The course invites students to see, hear, and feel humankind's artistic products and philosophical approaches which illuminate our relationship to deity, others, self and government from past to present. We will explore the themes of faith, myth, war, freedom, marginalized voices, man, nature, romantic love, divine love, and death as they have been interpreted over time in architecture, art, dance, film, literature, music, philosophy, and religion.

Latin American Studies**11, 12****Semester**

To explore Latin America, the richly diverse and fascinating areas of the world that includes Mesoamerica, South America and the Caribbean, from a cultural perspective focusing on food, gender, race, and class to understand the experiences and processes that have shaped the region. Students will reflect on identity, revolutions, nation-state formation, modernization and social mobilization based on analysis of primary sources such as cinema, music, literature, art and historical documents along with secondary sources. Interdisciplinary study of Latin America offers a unique insight into the lives and thoughts of Latin American peoples.

Peer Leadership**11,12****Semester**

This class is about how to build and improve relationships and become a good leader. Concepts include seeing others as people, how to develop a growth mindset, motivation, team building, finding balance, conflict resolution, and effective communication.

Practical Law**12****Semester**

Law and the Courts is a course directed at the study of the law and legal system. The course is geared toward providing students with a basic understanding of the underlying purposes for law, the legal system, and the function of the criminal justice system. The overall objective of the class is to give students an operating knowledge of the law and legal system in a practical manner to serve them later on in life. As a survey of all aspects of law, the course will provide students with a working knowledge of not only criminal law but family, consumer, civil, and tort law.

Psychology**10, 11, 12****Semester**

This course introduces the student to the study of behavior in individuals. It emphasizes the manner in which the individual can apply various psychological theories and concepts to better understand one's self, one's motives and one's relationships with other people. Why do we do what we do, think what we think or act the way we do? Psychology will answer these important questions about ourselves and others. You will gain a working knowledge of the theories and important terms in psychology. This course examines the history and perspectives in psychology, research methods, human psychological and biological development (neuroscience/brain), altered states of consciousness, social psychology, psychological disorders/abnormal behavior and personality. Psychology is a very hands on class that is extremely interesting and fun! All students are welcome in this course. **Fee: \$15.00**

A.P. Psychology**11,12****Year**

The A.P. Psychology course is designed to help students successfully complete the A.P. Psychology Exam. Students will develop a working knowledge of theories, personalities, and important terms in psychology. Various areas of philosophy will be examined including: history, research methods and perspectives in psychology, human psychological and biological development (neuroscience/brain), sensation and perception, states of consciousness, learning, memory, thinking, language and intelligence, development, motivation, emotion, personality, psychological disorders/abnormal behavior, therapy, stress and health, and social psychology. A.P. Psychology is a very interactive class that is extremely interesting, applicable to life and fun! **Workbook Fee: \$50.00**

Sport and Performance Psychology**10, 11, 12****Semester**

Athletics is at least 90% mental, probably more. This course explores the mental and psychological factors that affect athletics and performance. You will explore the field of Sport Psychology and will learn techniques you can directly apply to your own performance situations and to prepare to achieve excellence in your sport and performance. This class is for students who want to strengthen their leadership skills, confidence and performance in athletics, choir, band, debate, drama, dance, cheer, student body officers, student life, work, college, future careers and life. All students are welcome in this course. Get your head in the game! **Fee: \$15.00**

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. 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 progress in the general curriculum and outcomes after graduation.

See your current Resource Teacher for enrollment options.

WORLD LANGUAGES

2 years of a World Language are required for the Regent's Scholarship. Additionally, many colleges and universities require students to take 2 years of a World Language as an entrance requirement.

Japanese 1

9,10,11,12

Year

Basic Japanese is easier to speak than most people think it is if you are passionate about it. This course will show you why. This course emphasizes the four language skills of basic listening, speaking, reading and writing skills (including hiragana, introduction to katakana and at least 30 kanji). Students will learn how to introduce themselves and get to know others, discuss and describe information about their family, daily activities, likes/dislikes, and give basic descriptions of others. Students will also learn to ask and answer questions and respond to requests. Students will also compare Japanese and American cultures.

Japanese 2

10, 11, 12

Year

This course builds on the skills you acquired in Japanese 1. Students will study more kanji and connect them with the vocabulary and kanji you learned in Japanese 1. Students will also learn how to write the katakana syllabary. Students will also learn how to combine sentences into more complex expressions---all while reviewing and practicing the skills they developed in Japanese 1. **Prerequisite: Japanese 1 with a passing grade of C or higher.**

Japanese 3

10, 11, 12

Year

This course is the next step from Japanese 2. Students will learn more subtle phrase patterns, more kanji, and more about Japan itself. Students will also move forward from formal forms to more casual, conversational ones.

Prerequisite: Japanese 2 with a passing grade of C or higher

Japanese 4

10, 11, 12

Year

This course is the next step from Japanese 3. Students will learn more complex phrase patterns, more kanji, and more about Japan itself. Students will also build on their previous Japanese to give more detail and more refined communication as they improve their speaking, listening, reading and writing skills in Japanese.

Prerequisite: Japanese 3 with a passing grade of C or higher

French 1

9, 10, 11, 12

Year

This course emphasizes the four language skills of listening, speaking, reading, and writing. Students will learn to express basic needs, greetings, likes, 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 cultures. **This class is not for native speakers.**

French 2

9, 10, 11, 12

Year

This course continues the development of speaking, listening, reading, and writing skills. Students will learn to respond to French language information encountered in daily life, narrate events, explain a process, produce formal and informal written communication, and analyze cultural differences. Students will also explore French visual arts, literature, music, drama, history, and geography. **Prerequisite: French 1 with a passing grade of C or higher. This class is not for native speakers.**

French 3

9, 10, 11, 12

Year

This course emphasizes the classics, writing, and conversation. Students will respond to material intended for native speakers, analyze French culture through Fine Arts, and present quarterly to an audience. **Prerequisite: French 3 with a passing grade of C or higher. Native speakers welcome.**

French 4 10, 11, 12 Year
 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.
Prerequisite: French 3 with a passing grade of C or higher. Native speakers welcome.

French 5 11, 12 Year
 The AP course in French is designed to parallel the skill development of a third-year college French course in advanced writing and conversation. The course focuses on mastery of listening, speaking, reading, and writing skills. Students who enroll should already have a reasonable proficiency in those skills. At the completion of the course, the student is expected to be able to take and pass the AP French Language Exam or challenge the College French Departmental Placement Exam for credit. **Prerequisite: French 4 Teacher, Native speakers are welcome.**

Spanish 1 9, 10, 11, 12 Year
 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. This class is not for Spanish speakers.

Spanish 2 9, 10, 11, 12 Year
 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. This class is not for heritage Spanish speakers. **Prerequisite: Spanish 1 with a passing grade of C or higher.**

Spanish 3 9, 10, 11, 12 Year
 This course is a thorough 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. **Prerequisite: Spanish 2 with a passing grade of C or higher. Hispanohablantes bienvenidos.**

Spanish 4 9, 10, 11, 12 Year
 This course is a thorough review and extension of all material learned in the first three levels with emphasis on proficiency of complex oral and written communication. This course prepares students for AP Spanish or Concurrent Enrollment (we don't offer CE except the bridge classes next year). Students will learn 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. **Prerequisite: Spanish 3 with a passing grade of C or higher. Hispanohablantes bienvenidos.**

Spanish for Spanish Speakers 9, 10, 11, 12 Year
 This class is for Spanish speakers to take in place of Spanish 1, 2, 3, or 4. There will be a focus on developing reading and writing skills and preparing students to take AP Spanish at the conclusion of this course. Students will learn 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.

Spanish DLI 9 Year
 This course is designed specifically for students that have been in the dual immersion program. It continues the development of speaking, listening, reading and writing skills through advanced writing and speaking tasks and the use of authentic reading and listening texts. Narratives and dialogues are used to teach structure and vocabulary. Culture and history of Spanish-speaking countries are taught through authentic reading selections. The end-of-year proficiency targets are Intermediate High (Reading, Writing and Speaking) and Advanced Low (Listening). Students have the option to take the AP Spanish Language and Culture Exam at the end of the year. *For Dual Language Immersion (DLI) students only. Prerequisite: Spanish 4 DLI (561810)*

Spanish Language AP 9,10 11, 12 Year
 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 is expected to be able to take and pass the AP Spanish Language exam/or challenge the college departmental placement exam for credit. **Hispanohablantes con habilidades avanzadas en la lectura y escritura son bienvendios.**

Spanish Bridge Breaking Down Walls, Building Identities 10,11,12 Year

This course considers how critical moments of change in the Spanish-speaking world have shaped the present by building new identities. *Proficiency Goals:* By the end of this course, students will be able to discuss familiar topics as well as some concrete social, academic, and professional topics. Students will utilize interpretive communication skills (listening and reading) in order to speak and write in detail and in an organized way about events and experiences in various time frames, to confidently handle routine situations with an unexpected complication, and to share their point of view in discussions on some complex cultural and historical issues. **This is a Bridge Course offered for upper division university credit. This course is only for students that have passed the AP Spanish Language and Culture examination. This course is Spanish 3117 at the University of Utah.**

Other Electives

Driver Education

10, 11, 12

Semester

Students whose 16th birthday is on or before February 22, 2021 are eligible for the **First Semester** class. Students whose 16th birthday is on or before July 18, 2021 are eligible for **Second Semester** class. Summer Driver Education is available for those students who will be 16 on or before October 30, 2020. Students must get their learners permit before each semester starts. A \$140.00 fee must be paid by the second week of the course.

Latinos in Action

9, 10, 11, 12

Year

Latinos in Action is a classroom organized around service, professionalism, and leadership and learning to be the best person you can be. Students focus on college visits, scholarship applications, learning more about their heritage, tutoring elementary students, becoming well rounded leaders, and job applications. Acting as role models, the students will journey to neighboring elementary schools once a week during class time in order to work in the elementary classrooms. Participation in service (25 hours a quarter or 100 per year), assemblies, dances, fieldtrips, and/or leadership positions is required. A majority of the classwork is completed outside of class time. Attendance at activities before and/or after school is required. Students must be self-motivated to be successful in this program. LIA prepares students for college and for the future. Students must maintain a 2.5 GPA, and must take at least one of the following classes during the year: Career Pathway/ CTE class leading to certification, Honors, AP, or Concurrent Enrollment. Students must also represent LIA in and outside the classroom and be involved in one club or extra-curricular activity other than LIA. **Fee:** \$15 Instructor: Braydon Eden

Lancer Action Team

10, 11, 12

Year

This full-year class is a service learning course designed for those students who want to gain community service and leadership experience. During this course you will take part in the planning and execution of service projects throughout our community. Being part of LAT is a privilege and is reserved for those students who have demonstrated high standards of leadership, academic success, integrity, responsibility, and citizenship. Students must have and maintain a 3.0 GPA/CPA minimum. Instructor: Ms. Neibaur

People of the Pacific

9, 10, 11, 12

Year

This class is especially for students who are of Pacific Islander descent or who are very interested in learning about Pacific Islander culture. Students will learn of their identity and its integration and contribution to the American society as a whole. Students will prepare for scholarships, college admissions and athletic NCAA eligibility. Students must have a 2.5 GPA. They will participate heavily in leadership, school assemblies, and service opportunities. This class requires the student to fill out an application and be accepted. **Fee:** \$10

Peer Tutoring – Special Education

11, 12

Semester

Peer tutor training provides an opportunity for students to be in Special Education classes. Students provide tutoring and service. They will provide direction to students in navigating the high school setting and act as a peer mentor. This class may be referenced on college applications and provides an alternative to home release.

AVID (Advancement Via Individual Determination)

AVID is a college-readiness support system that prepares students in the academic middle for four-year college eligibility and success by placing them in rigorous classes with support from tutorials during the AVID elective class. **AVID is not a remedial program or a study hall. Students must apply and have a personal interview.**

AVID 9

9

Year

AVID 3 is the elective course for sophomore students who have been in AVID in Junior High School or students new to AVID. This course includes a review of organizational and study skills with increased emphasis on college readiness skills that enrich critical thinking and writing. College exploration, planning and entrance test preparation, service, leadership and tutorial experiences are included. Expectations are that students and parents will remain in AVID all four years of high school. Students are required to take the PLAN test (Preparatory college entrance test) for sophomores. Prerequisite: Application and commitment to take Honors or AP classes and stay in AVID is required for acceptance into the program. **Fee \$7.50 per semester, \$15 per year**

AVID 10**10****Year**

AVID 4 is the elective course for sophomore students who have been in AVID in Junior High School or students new to AVID. This course includes a review of organizational and study skills with increased emphasis on college readiness skills that enrich critical thinking and writing. College exploration, planning and entrance test preparation, service, leadership and tutorial experiences are included. Expectations are that students and parents will remain in AVID all three years of high school. Students are required to take the PLAN test (Preparatory college entrance test) for sophomores. The Mentor 2.0 class provides a screened mentor who will support the student and their education. Prerequisite: Application and commitment to take Honors or AP classes and stay in AVID is required for acceptance into the program. **Fee \$7.50 per semester, \$15 per year**

AVID 11**11****Year**

AVID 5 is the elective course for juniors who have previously been in AVID. It includes career and college research, building a résumé of service and leadership experiences, tutorials, preparing for college entrance tests, and understanding the financial support available. It continues to emphasize college readiness skills. Preparation for the ACT and SAT test is emphasized. Students are required to take the ACT test as juniors. Requirements and expectations are that students and parents will remain in AVID their remaining years of high school. Prerequisite: Commitment to take Honors and AP classes and stay in AVID is required for acceptance into the program. **Fee \$7.50 per semester, \$15 per year**

AVID 12**12****Year**

AVID 6 is the elective course for seniors who have previously been in AVID. It refines and builds critical thinking, reading and writing skills needed for college success. A major focus for the AVID senior year is completing college applications, finding and applying for scholarships and financial aid for college. Students in this course can option to earn AVID Honors at Graduation through completion of the Senior Portfolio. Requirements and expectations are that students and parents will remain in AVID the full senior year. Prerequisite: To enroll in Senior AVID you must have previously completed 1 year or more of AVID in high school. You must also complete an Application and commit to taking Honors and AP classes and stay in AVID is required for acceptance into the program. **Fee \$7.50 per semester, \$15 per year**

Release Time**9, 10, 11, 12 Year**

Students registering for Release Time, do so to enroll in L.D.S. Seminary or other denominational equivalents.

GRANITE CONNECT – Online School: My Pace, Anytime, Anyplace

This is Granite's new online school. Although most of the courses are typical 11th grade courses, any student in grades 10-12 may register for the courses. To enroll in online classes obtain a permission / disclosure slip from your counselor, complete and send it to: Patrick Colclough, Online Credit Coordinator. Please don't hesitate to contact us with questions or concerns please contact Patrick Colclough (385-646-4613) through the Curriculum and Instruction Department.

2021-2022 COURSE OFFERINGS SUMMER 2021		2020-2021 SCHOOL YEAR	
1.	General Financial Literacy	1.	General Financial Literacy
2.	Computer Technology	2.	Computer Technology
3.	Fitness for Life	3.	Fitness for Life
4.	Drivers' Education	4.	Drivers' Education
5.	U.S. Government and Citizenship	5.	U.S. Government and Citizenship
6.	Algebra II (1 st Semester)	6.	Secondary 1, 2, 3 (1 st Sem. & 2 nd Sem.)
7.	U.S. History II (1 st Semester)	7.	U.S. History II (1 st Sem. & 2 nd Sem.)
8.	Chemistry (1 st Semester)	8.	Chemistry (1 st Semester & 2 nd Semester)
9.	Health	9.	Health
10.	ELA 11 (1 st Semester)	10.	ELA 11 (1 st & 2 nd Semester)
11.	Art History and Criticism	11.	



Course Catalog
2021-2022

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, Biotechnology, Culinary Arts, Aviation, Agriculture and Home Building/Construction. The GTI offers classes in 2 period blocks only due to traveling time. Semester classes reward 1.00 credit and Year classes reward 2.00 credits.

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 move seamlessly into further training and employment. Effort is made to directly align critical academic subjects with career and technical education courses, thus promoting real-world application of 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 makes the transition to post high school education easier for students. Clear pathways of training have been designed to support student growth from the 9th through the 12th grades. Courses being offered during the 2018-2019 school year are included in the pages that follow.

CE ** Concurrent Enrollment College Course - Many of the courses offered here at the GTI are concurrent college courses; **11th and 12th grade** students can receive high school and college credit for successfully completing the course. It is the student's responsibility to apply to **Salt Lake Community College (\$40), Weber State (\$35), Utah Valley University (\$30), Utah State University (\$50)** (fees are non-refundable) by August 20th. Students must also pay (to the college) a \$5.00 fee per credit hour (non- refundable).

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 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 Ben Anderson at 385-646-4350, email: bkanderson@graniteschools.org or Julie Bagley, GTI Counselor at 385-646-4629, email: jibagley@graniteschools.org

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HOW TO REGISTER

To register for any of the classes offered through the Granite Technical Institute, 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 return to the Career Center for review and approval by the Career Center Coordinator. The Career Center Coordinator will then help the student determine whether additional information is required and will help facilitate the scheduling process.

9th Grade student registration procedure still at the Jr. Highs.

Ninth grade students who wish to access designated courses must work out their class schedules individually with their guidance counselor. Fill out a GTI application and return it to the guidance counselor who will then notify the appropriate high school. (Please note that the student will NOT be enrolled in the class(s) unless they turn in the application). Students must also arrange their own transportation to and from the nearest high school where they will catch the bus to the GTI The bell schedules and the bus schedule for the GTI are available at <http://gti.graniteschools.org>.

The most popular bachelor's degree in the United States is in Business (22% of all bachelor's degrees). The Academy of Finance is new this year to the G.T.I. The Academies are affiliated with SLCC to allow students to earn concurrent college credit. Students will enroll in two courses each semester. If students graduate from the Academies, they fulfill at least 1 Utah State Pathway. This program requires all students to be concurrently enrolled through Salt Lake Community College.

Did you know the Hospitality & Tourism is Utah's #2 industry, bringing in over \$6 billion in revenue to Utah's economy? The United States Bureau of Labor Statistics estimates that 1.3 million jobs will be added by the year 2020.

ACADEMY OF HOSPITALITY & TOURISM

Year (2 period block) 10-12 grade

\$25 fee per course required per semester

The Academy of Hospitality & Tourism is a two-year program for sophomores, juniors, and seniors with career interests in the business of hospitality and tourism. The comprehensive curriculum includes business management, marketing, accounting, hospitality services, travel and tourism, desktop publishing, customer service, and business communication. Students take four semester classes each year for a two-year period.

Familiarization tours & job shadows are taken to expose the students to possible careers in the industry. Possible familiarization tours include: Arches National Park, Goblin Valley State Park, Zion National Park, Dead Horse Point, Canyonlands National Park, Bryce Canyon National Park, The Grand America Hotel, Marriott, Intercontinental Hotels Group & many others. Students can earn up to 9 college credits in this two-year program. Enrollment is open to any Granite School District student able to excel in college level coursework. Additional Fees may be incurred for optional field trips offered to students.

Concurrent Enrollment through SLCC and Weber State. Students must apply for admission to both colleges.

***College books are an additional cost.**

Spring 2021 Semester Courses:

Sports & Entertainment Marketing
Customer Service CE (Weber) PS1403

Fall 2021 Semester Courses:

Lodging & Recreation
Intro to Business: BUS 1010 CE

Spring 2022 Semester Courses:

Business Communications I* Event Planning

Fall 2022 Semester Courses:

Marketing 1030: Introduction to Marketing
CE Hospitality & Tourism I

ACADEMY OF FINANCE

Year (2 period block) 11-12 grade

\$25 fee per course required per semester

The Academy of Finance is a two-year program for juniors and seniors who are interested in a career in the business of financial services. The curriculum includes economics, accounting, financial planning and products, banking, and marketing. Students take four semester classes each year during their junior and senior years. Students can earn up to 21 college credits in this two-year program. Enrollment is open to any Granite School District student able to excel in college level coursework. *College books are an additional cost.

Spring 2021 Semester Courses:

Accounting II CE ACCT 1120
Customer Service CE (Weber) PS1403

Fall 2021 Semester Courses:

Intro to Business: BUS 1010 CE
Economics: ECO 1010 CE

Spring 2022 Semester Courses:

Business Communications I*
Personal Finance: FIN 1050** CE

Fall 2022 Semester Courses:

Marketing 1030: Introduction to Marketing CE
Accounting I CE ACCT 1110

*English Credit (.50 credit for senior English)

**Financial Literacy Credit

Students interested in pursuing a career in elementary or secondary education are invited to take the classes during their junior and senior years. The classes will be concurrent through Salt Lake Community College. The focus will be on exposing students to the roles of teachers, the activities, and the culture in education as they explore this career pathway. Hands on learning and experience in the classroom will be part of this academy. Opportunity to earn 12 college credits.

ORIENTATION TO EDUCATION (TAP3) CE **

Semester 11-12 grade

\$20 Course fee required per semester

(Taken with Teaching as a Profession 2 = 2 period block)

This course explores teaching as a career, the challenges and rewards, history, philosophies, social issues, legal issues, job availability, and governance. This prepares students for acceptance into a teacher education program. Field experience is required. All students will have time in an elementary classroom as part of this class. *This course offers concurrent enrollment through SLCC EDU1010 3.0 credit hours.* This course fulfills a college education course requirement. Students are responsible to register and pay for concurrent enrollment classes at SLCC.

TEACHING AS A PROFESSION 2

Semester 11-12 grade

\$20 Course fee required per semester

(Taken with Orientation to Education CE = 2 period block)

This course is designed for students to learn, observe, and experience how an educator uses instructional strategies to successfully manage a classroom. Students will learn the importance of teaching as a profession. Students will learn to apply instructional strategies and created learner appropriate activities that inspire the enjoyment of learning. As a part of the concurrent class students will discuss challenges and rewards, history, philosophies, social issues, legal issues, job availability, and governance. This course also prepares students for acceptance into a teacher education program. Field experience required.

LIFESPAN HUMAN DEVELOPMENT CE **

Semester 9-12 grade

\$20 Course fee required per semester

(Taken with

Fundamentals of growth and development from preconception to old age and death are explored. The domains of physical, cognitive, and social- emotional growth for each age in the life cycle are explored in a variety of contexts. *This course offers concurrent enrollment through SLCC FHS 1500, 3.0 credit hours.* This course fulfills General Education requirement at Salt Like Community College. This course fulfills a requirement for the college of education. Students are responsible to register and pay for concurrent enrollment classes at SLCC.

MARRIAGE AND FAMILY RELATIONS/ ADULT ROLES CE **

Semester 9-12 grade

\$20 Course fee required per semester

(Taken with Intro to Behavioral Health)

Introduction to marriage and the family. Personality, interpersonal relations, and society are examined within the context of the family life cycle. Emphasis is placed on the impact of societal and personal choices on the family. *This course offers concurrent enrollment through SLCC FHS 2400, 3.0 credit hours.* This course fulfills General Education requirement at Salt Like Community College.

INTRO TO BEHAVIORAL HEALTH

Semester 9-12 grade

\$20 Course fee required per semester

(Taken with Marriage and Family Relations)

This course introduces students to the field of Behavioral Health and Human Services. In this course, students gain an understanding of the historical underpinnings of the field. Students are also introduced to the work of the human service provider and the milieu in which client services are provided. An exploration of ethics, values, and self-understanding as these apply to the human services worker also comprises an important element of the course. An overview of research methods is included as well.

CTE TEACHER INTERNSHIP

Semester 11-12 grade

This CTE teaching internship provides an opportunity for students to work and teach with a teacher in a classroom that is directly related to a teaching goal and course of study. This Work-Based Learning experience is designed to bridge the gap between school and work.

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 the field of 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).

ANIMAL SCIENCE I

Semester (2 period block)9-12 grade

\$30 **course fee required per semester**

Animal Science will provide students with the opportunity to explore the many aspects of the livestock industry. During this course, students will study breeds of dairy cattle, beef cattle, equine, sheep, swine, and poultry. Students will look at animal breeding and reproduction, housing facilities, proper management practices, and feeding and nutrition. Judging and showing of some of these livestock breeds will also be included. FFA involvement is recommended for all students enrolled in this course. **This course may also be taken to fulfill a third science credit requirement.**

ANIMAL SCIENCE II

Semester (2 period block) 10-12 grade

\$30 **course fee required per semester**

Prerequisite: Animal Science 1 or Equine Science

Students will develop knowledge and skills in a wide range of animal agriculture principles, including anatomy and physiology, health maintenance, waste disposal and facilities. The efficient production and effective management of selected animal enterprises are covered, including beef and dairy cattle, swine, sheep, goats, poultry and equine. Practices in veterinary medicine and those associated with small animal care are included. FFA involvement is recommended for all students enrolled in this course.

FLORICULTURE AND GREENHOUSE MANAGEMENT

Semester (2 period block) 9-12 grade

\$30 **Course fee required per semester**

This intensive course in greenhouse operation and management prepares students to produce commercial plant species in a controlled environment and to manage commercial and experimental greenhouse operations. Studies will also include basic plant biological systems, soil science, plant propagation, and floral design.

EQUINE SCIENCE 1 & 2

Semester (2 period block)9-12 grades

\$30 **Course fee required per semester**

This course prepares students to care for horses and horse equipment; to train horses for various work and athletic or entertainment roles; and to manage horse training, breeding, and housing programs and facilities. **This course may also be taken to fulfill a third science credit requirement.**

INTRO TO HORTICULTURE

*Semester (2 period block) 11-12 grades CE ** (PURE)*

This course is an introduction to the production of nursery, greenhouse, fruit, and vegetable crops. Residential and commercial landscape construction and management will be explored, and students will learn about interior plants, arboriculture, turf science, landscape plant materials, and home gardening. This class is one of the first requirements for the USU Horticulture Major and fulfills a Breadth Life Science requirement at USU. Utah State concurrent enrollment credit PSC 1800-3 credits). **This course may also be taken to fulfill a third science credit requirement.**

LANDSCAPE MANAGEMENT/ NURSERY OPERATION

Semester (2 period block)9-12 grade

\$30 **Course fee required per semester**

Students will develop knowledge and skills in nursery operation and landscape management practices that will prepare the students to select appropriate plant materials and to design, install, and maintain interior and exterior plantings and hardscapes. They will also learn to maintain the facilities and equipment associated with this industry.

NATURAL RESOURCE SCIENCE I

Semester (2 period block)9-12 grade

\$10 **Course fee required per semester**

This introductory course is designed to give students knowledge and skills related to production, management, and conservation of natural resources. Students explore such topics as ecology, range resources, waste management, and land use. Students will also be introduced to various careers in Natural Resource Science such as fish and game officer, water technician, and park manager. Hands-on field experience is emphasized at weekly trips to Wheeler Farm and other sites. **This course may also be taken to fulfill a third Science credit requirement.**

NATURAL RESOURCE SCIENCE II

Semester (2 period block) 10-12 grade

\$10 **Course fee required per semester**

Prerequisite: Natural Resource Science I

This course builds upon knowledge and skills gained in Natural Resource Science I. In addition, it covers such topics as the biological, environmental, and economical importance of renewable natural resources, and forest and range products. Students will also be introduced to various careers in Natural Resource Science such as fish hatchery manager, wildlife officer, hunting outfitter/guide. Hands-on field experience is emphasized at weekly trips to Wheeler Farm and other sites. **This course may also be taken to fulfill a third Science credit requirement.**

VETERINARY ASSISTANT 1

Semester (2 period block) 10-12 grade

Prerequisite (one of the following): Animal Science I or Equine Science

\$30 Course fee required per semester

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, Course oratory techniques, animal nutrition, principles of disease, animals in society, career exploration, and animal management. Students enrolled in this 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 provides the background necessary for students interested in pursuing a professional degree. Course oratory 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.**

AVIATION PROFESSIONAL PILOT PROGRAM

In cooperation with Utah Valley University, high school students may enroll in the aviation courses listed below and receive concurrent enrollment credit from UVU. Exceptions to this format must be arranged through the G.T.I. administration. CE ** Concurrent Enrollment College Course

1st Semester classes

PRIVATE PILOT GROUND SCHOOL CE **

Semester (2 period block) 11-12 grade (must be 17 by the end of the semester)

\$40 Course fee required per semester

This course focuses on the study of aviation fundamentals, principals of flight, aircraft and engine operations, weather, navigation, and radio communications as required by FAA regulations. Students will be prepared to begin flight training. This course must be taken for UVU concurrent enrollment credit AVSC 1100, 4.0 credits.

PRIVATE FIXED WING SIMULATOR LAB

(Taught in conjunction with Private Pilot Ground School)

Practical application in a simulation lab to include the information for private pilot flight maneuvers, procedures, and regulations for takeoff, cruise, traffic pattern operations, approach, emergencies, and cross-country operations. Time in the Simulator is based on size of the class. Taken concurrently with Private Pilot Ground School.

SURVEY OF AVIATION SCIENCE CE **

Semester (2 period block) 10-12 grade

\$30 Course fee required per

semester Designed for all students interested in aviation careers. Includes a general knowledge of aviation, historical events, and aerospace studies/development opportunities. Studies aviation and aerospace terminology, how aircraft and spacecraft fly, research and development of future systems, government, and industry roles in the growth of aviation, and potential careers in aviation. This course must be taken for UVU concurrent enrollment credit AVSC 1010, 2.0 credits.

2nd Semester classes

DRONE: REMOTE PILOT PREP CE **

Semester (2 period block) 10-12 grade (must be 17 by the end of the semester)

\$40 Course fee required per semester

This course covers the history, safety, rules, and regulations, as well as the design and construction of small unmanned aerial systems (UAS). This course must be taken for USU concurrent enrollment credit, AV 1900: Drones History, Rules and Remote Pilot License Preparation 2.0 credits, AV 1910: Drones: Flight Lab 1.0 credits.

AIR TRANSPORTATION MANAGEMENT CE **

Semester (2 period block) 11-12 grade

\$30 Course fee required per semester

Presents the managements skills necessary to be a fixed based operator and entry-level manager for scheduled airlines in the national aviation system. Teaches management functions, marketing, financing, organization and administration, flight operations, maintenance, safety, and liability. Provides hands-on experience of management styles through evaluations and critiques of local airlines and airport facilities. Includes a student's simulated model of an FBO and related management operations as a final project. This course must be taken for UVU concurrent enrollment credit AVSC 2150, 3.0 credits, for qualified 11th and 12th grade students.

BIOTECH RESEARCH 1*Semester (2 period block) 9–12 grade***\$30 Course fee required per semester**

This course is designed to give students a comprehensive introduction to the scientific concepts and laboratory research techniques currently used in the field of biotechnology. Students attain knowledge about the field of biotechnology and deeper understanding of the biological concepts used.

BIOTECH RESEARCH 2 CE ** (PURE)*Semester (2 period block) 10–12 grade***\$30 Course fee required per semester**

This hands-on introductory course provides opportunity for students to explore the exciting emerging world of biotechnology. It provides a solid foundation for students who wish to pursue careers in fields such as bioengineering, biotechnology, and biological science among others. Developing marketable, hands-on lab skills is the course's primary objective. This objective is met as students work at the lab bench on such topics as DNA structure, gene expression, protein synthesis, recombinant DNA strategies, DNA testing, DNA sequencing, forensics, and bioethics. This course must be taken for UVU concurrent enrollment credit BTEC1010, 3.0 credits. **This course may be taken to fulfill a third science credit requirement.**

BIOTECH INTERNSHIP*Semester (2 period block) 11–12 grade***\$30 Course fee required per semester**

This discipline related internship provides students with meaningful work experience in a chosen career field. The course is designed to allow students to learn on the job as part of their educational program of study. Requires permission of the instructor and acceptance by a preceptor at an approved worksite.

BIOMANUFACTURING 1/ MANUFACTURING PRINCIPLES 1*Semester (2 period block) 10–12 grades***\$40 Course fee required per semester**

This course offers hands-on projects designing and building medical devices. Learn 3D printing on the first day of class. Fieldtrips to Utah's most elite medical device engineering, manufacturing and compliance testing companies happen. Understand why FDA regulations and quality systems are important to the medical device industry. Learn the principles and benefits of LEAN (today's industry standard), Six sigma and continuous improvement (Kaizen) in manufacturing. Students will create engineering drawings, use precision measuring instruments, and use CNC manufacturing equipment. Students will learn and demonstrate current technical and engineering professional workplace skills. Career planning and continuous learning skills are acquired. This course may be taken for CTE credit or to fulfill additional science credit requirement. **This course may be taken for CTE credit or to fulfill a third science credit requirement.**

CONSTRUCTION TRADES

This is a comprehensive construction experience where students, under the supervision of experienced, licensed contractors, help construct an entire house while participating in all phases of home construction or participate in a variety of commercial construction projects. Students may specialize in residential carpentry, commercial carpentry, electrical, or plumbing, with the ability to participate in all these trades. This is an excellent experience for those interested in construction related careers, including construction management, or for those who want building and remodeling experience. Apprenticeship programs are available. Transportation is provided to the construction site.

CONSTRUCTION TRADES FOUNDATION 1*Semester (2 period block) 9-10 grades***\$15 Course fee required per semester**

Construction Trades Foundation 1 is designed to introduce students to the basic skills needed for an entry-level position in the construction field. Students will be exposed to basic safety, which complies with OSHA-10 training. Students will work with construction math. They will be adding, subtracting, dividing, and multiplying whole numbers, fractions, and decimals, and explain their application to the construction trades. Students will learn about the safe use of hand and power tools used in the industry and will be familiarized with reading, interpreting, and applying construction drawings. Students will be taught about basic rigging. They will also be introduced to material handling and recognizing hazards associated with the construction industry. The communication skills needed for job interviews and working with co-workers and supervisors will be emphasized. This class will be a great experience for those interested in the construction industry.

CONSTRUCTION TRADES FOUNDATION 2*Semester (2 period block) 9-10 grades***\$15 Course fee required per semester**

Construction Trades Foundation 2 provides students with the opportunity to explore many areas of the construction industry. Licensed contractors teach this class, and students will be able to work through learning modules at their own pace and in several areas. Students will be exposed to site lay out and distance measurements; concrete and masonry; floor systems; wall, ceiling, and roof framing; and roofing applications. They will be taught basic stair layout and exterior finish and will learn about electrical safety and residential electrical installation. Students will also be introduced to drain, waste and vent systems using plastic and copper pipe and fittings for residential construction. This is an excellent class for those who want to learn about the construction industry.

ELECTRICAL TRADES CE ****\$15 Course fee required per semester***Year (2 period block) 10–12 grades*

This is a comprehensive electrical experience where students are under the supervision of an experienced and licensed electrical contractor. Students will be engaged in the wiring of a home, which includes: the rough and finish wiring, electrical service, and all phone and data. Students will also experience many commercial projects around the district where they will learn conduit bending and the differences between residential and commercial wiring. In addition to hands-on projects, students will also learn the National Electrical Code and Electrical Theory. This class provides great experience for those interested in electricity and those who may want to be part of basic electrical installations and remodeling. Apprenticeship programs are available. This course may be taken for SLCC concurrent enrollment credit ELI 1110, 6.0 credits, for qualified 11th and 12th grade students.

HOME BUILDING (RESIDENTIAL CARPENTRY) CE ****\$20 Course fee required per semester***Year (2 period block) 10–12 grades***Prerequisite: 10th graders must have completed Construction Trades 1 or 2 before taking Homebuilding.**

This is both an introductory and second year class that is designed to provide the student with a solid base of understanding and experience in the carpentry trade. Students will be exposed to this trade by constructing a residential home off site (bussing provided). This course will involve students with hands-on and learning activities in the building process from digging the foundation to shingling the roof. Other opportunities include plan reading, concrete work, all phases of framing, insulation, drywall, hanging doors & windows, interior doors and trim work, exterior finishes, painting. Construction Management is addressed, and the class is also offered as a Salt Lake Community Concurrent class for sophomores, juniors & seniors. This class is fun and will provide valuable training and experience that can be used in a career or for personal remodeling or construction projects. This course may be taken for SLCC concurrent enrollment credit CMGT1320, 4.0 credits and CMGT 1330, 4.0 credits, CMGT 1410, 2.0 credits for qualified 11th and 12th grade students.

PLUMBING**\$15 Course fee required per semester***Year (2 period block) 10–12 grades*

This is a comprehensive construction experience where students, under the supervision of an experienced licensed contractor, participate in a variety of commercial construction projects. Students may specialize in plumbing with the opportunity to participate in all trades. This is an excellent experience for those interested in construction-related careers, including construction management, or for those who want building and remodeling experience. Apprenticeship programs are available. This course may be taken for SLCC concurrent enrollment credit PLI 1010 for qualified 11th and 12th grade students.

CRIMINAL JUSTICE

The Criminal Justice program is designed to prepare students for an exciting career in the field of law or law enforcement. Students will learn the basics of criminal justice, criminal law, and corrections and how these subjects' impact and interplay with current events. The Careers in Law Enforcement course will explore many diverse career opportunities that are available/possible including Police Officer, Swat Team member, Detective, k-9 Officer and other criminal justice related disciplines as well as careers with Federal Agencies such as FBI, Secret Service, DEA and ATF. Students will have the opportunity to meet professionals in criminal justice related fields and participate in a variety of criminal justice related activities. The courses in the Criminal Justice program are college level courses and include frank discussions of mature, adult subject matter.

INTRO TO CRIMINAL JUSTICE- CE ** (PURE)*Semester 11-12 grade**(Taken with Intro to Corrections = 2 period block)*

This course explores theories, concepts and methods used to facilitate understanding, predicting, and responding to issues of deviance and crime in America. Also includes development and evolution of components of the American Criminal Justice System, including the history of racial, ethnic and gender discrimination in charging, conviction, incarceration, and employment. CTE credit or Elective credit: up to 2 credits total. This course offers SLCC concurrent enrollment credit CJ 1010, student is responsible to register and pay for concurrent enrollment classes at SLCC.

INTRO TO CORRECTIONS - CE ** (PURE)*Semester 11-12 grade**(Taken with Intro to Criminal Justice = 2 period block)*

This course examines the history, function, and administration of corrections in our criminal justice system. This course offers SLCC concurrent enrollment credit CJ 1300, 3 credits. Student is responsible to register and pay for concurrent enrollment classes at SLCC.

CRIMINAL LAW - CE ** (PURE)

Semester 11-12 grade

(Taken with Career in Law Enforcement = 2 period block)

This course examines crimes, defenses, and the historical origins and development of criminal law in our society. Topics include sources of substantive law, case law, classification of crimes, parties to crime and related topics. *This course offers SLCC concurrent enrollment credit CJ 1330.* Student is responsible to register and pay for concurrent enrollment classes at SLCC.

CAREER IN LAW ENFORCEMENT CE ** (PURE)

Semester 11-12 grade

This course provides an insight into the workings and hiring practices of various law enforcement agencies such as ATF, DEA, FBI and local, county, and state police agencies. *This course offers SLCC concurrent enrollment credit CJ 2540, 3 credits.* Student is responsible to register and pay for concurrent enrollment classes at SLCC.

CULINARY ARTS

It's no secret that the restaurant and food service industry is growing. In fact, it is estimated that from 2012 to 2020 the number of jobs in the restaurant and food service industry is projected to increase by 21 million, of which approximately 50,000 will be management positions!

CULINARY ARTS 1/PROSTART 1 CE **

Semester (2 period block)10-12 grade

\$30 Course fee required per semester

Prerequisites: Foods 1 or Foods 2

This is an advanced culinary class that is an industry-driven curriculum preparing students for a career in restaurant and food service management. Students will learn and practice hands on skills dealing with safety and sanitation, industrial kitchen equipment, seasoning and cooking techniques, food preparation and exploration, management, and front of the house basics. Students prepare a professional portfolio related to food services. Students will have the opportunity to receive a SERV Safe managers certificate, Workplace Safety certificate and with completion of both ProStart 1 and ProStart 2, a National Restaurant Association Certificate. Students also have opportunities with FCCLA, ProStart and Skills USA to compete in culinary competitions for further exploration and skills in the food service industry. This course will strengthen comprehension of concepts and standards outlined in Sciences, Technology, Engineering and Math (STEM) education. *This course offers SLCC concurrent enrollment credit CHEF 1110, 3 credits.*

CULINARY ARTS 2/PROSTART 2

Semester (2 period block)11-12 grade

\$30 Course fee required per semester

Prerequisites: Culinary Arts 1/Prostart 1

This is an advanced culinary class that is an industry-driven curriculum preparing students for a career in restaurant and food service management. Students will learn and practice hands on skills dealing with safety and sanitation, menu development and marketing, food preparation and exploration and cost control in a food service environment. Students will have the opportunity to receive a SERV Safe managers certificate, Workplace Safety certificate and with completion of both ProStart 1 and ProStart 2, a National Restaurant Association Certificate. Students also have opportunities with FCCLA, ProStart and Skills USA to compete in culinary competitions for further exploration and skills in the food service industry. This course will strengthen comprehension of concepts and standards outlined in Sciences, Technology, Engineering and Math (STEM) education.

BAKING AND PASTRY

Semester (2 period block)12 grade

\$30 Course fee required per semester

Prerequisites: Prostart 1 and Prostart

Introduction to pastry and baking classes provide students with an understanding of the ingredients and methods used in creating breads, pastries, cookies, and other desserts. Students learn how dairy, fruits, flour and chocolate come into play with pastry and baking.

This program prepares individuals to perform the duties of a firefighter. Instruction includes training in safety, firefighting, equipment operation, maintenance, and the principles of the fire science.

INTRODUCTION TO EMERGENCY SERVICES CE ** (PURE)

Year 11-12 grade

\$40 Course fee required per semester

(Taken with Principles of Fire & Emergency Services Safety = 2 period block)

REQUIREMENT: Due to some strenuous physical activities, the student must pass a physical entrance test and must obtain a physician's approval based on such requirements.

This course introduces the various duties within emergency services, including structural firefighting, wildland fire fighting, technical rescue, hazardous materials control, fire protection, fire investigations, and incident command. Develops basic emergency skills in hazard recognition, response organization, and fire extinguisher use. *This course offers concurrent through Utah Valley University, ESFF 1000 4.0 credit hours.* Student is responsible to register and pay for concurrent enrollment classes at UVU.

PRINCIPLES OF FIRE & EMERGENCY SERVICES SAFETY CE ** (PURE)

Year 11-12 grade

\$40 Course fee required per semester

(Taken with Introduction to Emergency Services = 2 period block)

REQUIREMENT: Due to some strenuous physical activities, the student must pass a physical entrance test and must obtain a physician's approval based on such requirements. Introduces the basic

principles and history related to the national firefighter life safety initiatives. Focuses on the need for cultural and behavior change throughout the emergency services. *This course offers concurrent through Utah Valley University ESFF 1120 3.0 credit hours.* Student is responsible to register and pay for concurrent enrollment classes at UVU.

GENERAL CONCURRENT CLASSES

AMERICAN CIVILIZATION CE (HIS 1700) CE (PURE)**

\$15 Course fee required per semester

Semester 11-12 grade

Prerequisites: 20 on the ACT or 18 on the SLCC Decision Tree Test.

Students must enroll with SLCC to be in this class. This course covers American History from the Pre-Columbian period to the present. It provides a thorough examination of the major social, political, and economic events, issues, and themes of the period. This course fulfills both the American Government requirement for high school graduation and the American institutions requirement at SLCC and other state colleges. 1.0 of High School Social Studies.

BIOLOGY 1010 WITH LAB 1015 CE ** (PURE)

\$15 Course fee required per semester

Semester 11-12 grade

Prerequisites: ACT Reading 16.

Introduction to Biology for non-science majors. A survey of living diversity from bacteria to plants and animals. Introduces cell structure and physiology, inheritance, evolution, and classification. Three hours of lecture per week.

CHEMISTRY 1010 CE ** (PURE)

\$15 Course fee required per semester

Semester 11-12 grade

This course is designed for students who want to obtain a basic understanding of chemistry. No previous knowledge in chemistry is needed. A foundation of basic chemical knowledge is provided for students who need to prepare for further study in chemistry as well as for students who only want an introductory survey course. Concepts covered include general chemistry principles such as chemical measurements, formulas, reactions, equations, solutions, states of matter, atomic structure, and nomenclature. Quantitative problem-solving skills are developed and include the application of significant figures, dimensional analysis, stoichiometry, and ideal gas law calculations. The successful student will attain a modern scientific perspective on the world around them as well as new problem-solving skills that can be readily applied throughout their daily lives. *This course offers concurrent enrollment through SLCC CHEM 1010, 3.0 credit hour.* Student is responsible to register and pay for concurrent enrollment classes at SLCC.

EFFECTIVE COMMUNICATIONS CE (COMM 1010) & HUMANITIES (HUMA 1010) CE (PURE)****\$15 Course fee required per semester***Semester 12 grade*

This concurrent enrollment class will teach communication principles and practice applied in dyadic, group, written, electronic, and oral presentation assignments. Listening, perception, verbal clarity, nonverbal, diversity, conflict management and interviewing in workplace and interpersonal settings. This class will give you 3 hours of college credit and this is a required class in every school around the country. Get it done in high school. Humanities is the study of what it means to be human. This course is designed for the inquisitive, mature student. The course invites students to see, hear, and feel humankind's artistic products and philosophical approaches which illuminate our relationship to deity, others, self and government from past to present. We will explore the themes of faith, myth, war, freedom, marginalized voices, man, nature, romantic love, divine love, and death as they have been interpreted over time in architecture, art, dance, film, literature, music, philosophy, and religion.

GEOGRAPHY 1300 CE ** (PURE)**\$15 Course fee required per semester***Semester 11-12 grade*

The purpose of this course is to focus on the cultural and geopolitical regions of the world. This includes the introduction and analysis of historical and current cultural, geopolitical, economic, and environmental issues in relation to these specific regions of the world.

HEALTH SCIENCE TECHNOLOGY

CE ** Concurrent Enrollment College Course

Our Health and Medical Programs are some of our most popular as students recognize that there is a high demand for skilled health care professionals. Students can graduate from high school as a Nursing Assistant, Medical Assistant, EMT, or Pharmacist Technician and make \$9-\$14 an hour and be better prepared for nursing school, medical school, pharmacy school or any other medical profession.

CERTIFIED NURSE ASSISTING*Semester (2 period block) 11-12 grade***Requirement: You must be 16 yrs. old when you begin the course.****\$40 Course fee required per semester****Prerequisite: Medical Terminology with a passing grade of C or higher**

This program is designed to prepare students for a career as a Healthcare Professional. Students are trained 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, assisting with activities of daily living, patient observation, and recognizing abnormal changes in body functioning. General 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. This course requires a 46-50-hour clinical experience in a skilled nursing facility working with real patients, in addition to 110 classroom/theory hours on campus in the GTI CAN classroom. Clinical rotations last 8 weeks, and students will attend one day per week from either 3:00-8:00 p.m. or 4:00-9:00 p.m. Students must supply their own uniforms/scrubs. Also, students should purchase their own blood pressure cuff and stethoscope to practice vital signs outside the classroom. An additional .25 credit will be earned by completing clinical hours. Students must have good social skills, good attendance & punctuality, and the ability to transport themselves to their clinical experiences. **Students must provide a social security or IRS number to take the state C.N.A. exam.** If the student completes all classroom and clinical requirements, they can be recommended to take the State Certification exam and become a Certified Nursing Assistant ready to work in the medical field. Some college and university nursing programs also require a CAN for admission to their medical programs. Cost for state certification exam is \$85. Maroon Scrubs are needed for Clinicals, which can be purchased for \$17 or checked out.

DENTAL ASSISTING I*Semester (2 period block) 12 grade***\$40 Course fee required per semester**

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, patient preparation, examination, preventive care, dental materials, and restorative and specialty procedures.

DENTAL ASSISTING II*Semester (2 period block) 12 grade***Prerequisite: Completion of Dental Assisting****\$40 Course fee required per semester**

Dental Assisting II: Students will complete their training with dental imaging, laboratory skills: bleaching trays, custom trays, sports guards, front office training in the Dentimax system and expanded function skills. Students will learn job-seeking skills to aid in obtaining a 90-hour externship for fourth term.

Dental Assisting I and II is NOT accredited through the Dental Assisting National Board (DANB). CPR training is offered at the GTI for an additional cost.

EMR (Emergency Medical Responder) CE **

Semester 9-12 grades (PURE 11-12 Concurrent only)
(Taken with Intro to Health Science & Technology = 2 period block)

\$40 Course fee required per 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 Advanced First Aid, CPR and Emergency Medical Response. Students will learn basic skills prior to enrolling in EMT, nursing assisting, medical assisting, and dental assisting courses. This course offers Weber State University concurrent enrollment credit AT 2300, 3.0 credit hours.

EMT (Emergency Medical Technician) CE **

Year (2 period block) 12-grade

\$40 Course Fee required per semester

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 and disorder recognition, injury diagnosis, and emergency treatment procedures for various injuries and disease outbreaks. Students learn theory and then participate in extensive skill practice sessions with EMTs. Students will be registered with the Utah Bureau of Emergency Medical Services to become a Certified EMT. Students must have a social security number for state certification. Please see your class disclosure for a breakdown of possible additional fees. This course offers Salt Lake Community College concurrent enrollment credit HSEM 2300, 10.0 credit hours. **Students must provide a social security number to take the state Emergency Medical Technician exam.**

EXERCISE SCIENCE/SPORTS MEDICINE CE **

Semester (2 period block) 11-12 grade

\$35 Course fee required per semester

Prerequisite: Medical Terminology or EMR/ Intro to Health Science. Medical Anatomy & Physiology recommended.

This course is designed to teach students components of Exercise Science and Sports Medicine by exploring topics such as anatomy/physiology, medical terminology, injury evaluation, nutrition, rehabilitation, and sports psychology. The course also includes many taping procedure labs and other hands-on activities. Extracurricular opportunities such as Future Doctors and job shadowing externships, allow students to further investigate areas of medicine. This course offers concurrent enrollment through Utah Valley University, Pes 2400, 2.0 credit hours.

INTRO TO HEALTH SCIENCE & TECHNOLOGY

Semester 9-12 grades

(Taken with EMR = 2 period block)

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.

MEDICAL ASSISTING

Year (2 period block) 12-grade

\$30 Course fee required per semester

Prerequisite: Medical Terminology; Instructor strongly recommends Medical Anatomy & Physiology

When all requirements are met, this program prepares students to assist practitioners in the front office and clinical setting of a medical office. The rigorous curriculum covers administrative areas such as bookkeeping, insurance matters, and general office management; and clinical duties such as assisting with physical exams, screenings, treatments and completing duties in the medical office laboratory. A 160-hour externship is required for completion of certificate. Students must have good social skills, excellent attendance, a desire to serve their community, and the willingness to learn. An application is required for this program and lists specific expectations.

MEDICAL ANATOMY & PHYSIOLOGY CE **

Year (2 period block) 11-12 grades

\$15 Course fee required per semester

Create models of human systems. Explore through dissections and hands-on activities. Investigate how the human body changes with diseases and disorders. This course provides an exciting in-depth experience of the human body that includes medical terminology and medical ethics. Discover your future as a health care professional through job shadowing and service-learning experiences. Prepare for success in a variety of health technology programs. **This course may also be taken to fulfill a third Science credit requirement.** Students are required to be concurrently enrolled through Weber State, HTHS 1120, 3 credits.

MEDICAL FORENSICS CE ** (PURE)

Semester (2 period block) 11-12 grades

\$30 Course fee required per semester

This course is designed to create an awareness of the branch of health science relating to medical forensics and working in a medical laboratory. Students will learn to identify, analyze, and process logically using deductive reasoning and problem solving. It focuses on introductory skills necessary to prepare students for the crime scene or crime lab investigation and medical lab work. This course offers SLCC concurrent enrollment credit CJ 1350, 3 credits. **This course may be taken for CTE credit or to fulfill a third science credit requirement.**

MEDICAL TERMINOLOGY CE **

Semester (2 period block) 9-12 grades

\$25 Course fee required per semester

Students should be able to read at or near grade level. 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. **Students can purchase a Medical Terminology book for \$25.** Medical Terminology is a prerequisite for Medical Assisting and Pharmacy Technician at the GTI and recommended for Certified Nurse Assisting, as well as for any ELL students who are planning on taking medical training courses. This course offers SLCC concurrent enrollment credit MA 1100, 3 credits.

PHARMACY TECHNICIAN

Year (2 period block) 12th grade

\$40 Course fee required per semester

Pre or Co-requisite: Medical Terminology

This program prepares students to support pharmacists by aiding 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 have a social security number to qualify to take the licensure exam. The cost for exams is, National Exam PTCB \$129 or ExCPT \$105 (students need only do ONE test). State Licensure Fee \$99. **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. Students must provide a social security number to take the national exam and become licensed in the state of Utah. Trainee license is \$50.00 (Paid to DOPL).**

PHYSICAL THERAPY CE **

Semester (2 period block) 11-12 grades

\$30 Course fee required per semester

Prerequisite: Medical Terminology

This course introduces students to the field of physical therapy through the history, medical terminology, documentation, therapy treatments, and pertinent legal and ethical considerations of the profession. Healthcare for diverse population begins its thread in this course. Students will participate in clinical observations. This course offers SLCC concurrent enrollment credit PTA 1010, 3 credits.

OCCUPATIONAL THERAPY

Semester (2 period block) 11-12 grades

(Taken with Physical Therapy = 2 period block)

This course introduces students to foundational concepts of occupational therapy practice and exercise science, which includes the domain and process of occupational therapy and the analysis of activities and occupations. Students will learn about these concepts through hands-on experiences and creative projects that support clinical reasoning and the therapeutic process.

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 and 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.

COMPUTER PROGRAMMING 1

Semester Class (2 period block) 9-12 grade

This semester course is an introduction to computer programming using C#. Students will learn problem solving and object-oriented programming as they design code and test your own programs. Students will learn C# syntax, graphical user interface (GUI) and simple program control and data structures. Students will produce a graphical game or a business application as their final project.

COMPUTER PROGRAMMING 2/MOBILE APPS CE **

Semester (2 period block) 10-12 grade

Prerequisite: Computer Programming 1

This course is designed to learn the JAVA programming language. It is a suitable class for advanced computer programmers who plan to further their information technology education in preparation for college and the workforce. In addition, this course is designed to take programming concepts and implement them into mobile device technology. Emphasis will be on completing individual and team-based programming projects that demonstrate a student's ability to grasp new cell phone technology and Java. Students will build customized user interactive text messages, GPS map location, voice recorder, and mobile applications. This course offers SLCC concurrent enrollment credit CSIS 1030, 3 credits.

COMPUTER PROGRAMMING PROJECTS

Semester Class (2 period block) 11-12 grade

Prerequisite: Computer Programming 1

This is an advanced computer course for students who have completed Computer Programming 1 **or** Advanced Web Development. Students will develop code using **C#, SQL, PHP, and JAVA script**. This opportunity is for students to build a **WEB server**, use a **relational and database with SQL** and program **Arduino microcontroller** projects. Note that this course is designed to strengthen their experience using current programming skills and to help students acquire marketable skills for **all professional work force**.

INTRODUCTION WEB DEVELOPMENT

Semester Class (2 period block) 9-12 grade

This course is designed for students who desire an introduction to web development pages using HTML5, XHTML, Dynamic HTML, tables, frames, input forms and cascading style sheets. Prior web development is not a requirement for this course. Students will build their own personal websites and maintain their on-going structure and design changes.

ADVANCED WEB DEVELOPMENT

Semester Class (2 period block) 9-12 grade

Prerequisite: Introduction Web Development

This course is designed to take fundamental concepts and technologies used in web development such as PHP, SQL XML, XHTML and create more sophisticated web sites with databases. Focus will be on completing team web-based projects that incorporate multimedia, JavaScript, PHP, database, and Java Applets. Students will analyze different web designs and use more complex web tools that may include the Apache web server, other technologies, and mobile devices. Students in this class will maintain a real-world website and be responsible for providing new content and functionality.

INTRO TO 3D ANIMATION

Semester Class (2 period block) 10-12 grade

\$15 Course fee required per 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 emphasizes artistic principles for those students interested in the 3D Industry. Students will learn basic principles such as layout and design, color theory, and basic drawing skills. In addition, animation planning, storyboard development, and the production process will be a large part of the course.

ADVANCED 3D ANIMATION

Semester Class (2 period block) 10-12 grade

Prerequisite: *Intro to 3D Animation*

\$15 Course fee required per semester

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 with the skills necessary to succeed in industry. Subject matter includes advanced polygonal modeling, nurbs modeling, and 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 to their final projects. Students will have the opportunity to work with Utah Valley University and Salt Lake Community College and interface and work with college professors to seamlessly transition into college and their desired field of study.

GAMING DEVELOPMENT FUNDAMENTALS

Semester (2 period block) 10-12 grade

\$15 Course fee required per semester

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

DIGITAL MEDIA II (Projects class)

Semester (2 period block) 11-12 grade

Prerequisite: *Advanced 3D Animation*

\$15 Course fee required per semester

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 for both the school district and local businesses, 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 product. This class is designed after a senior level college studio class to prepare students for what they will encounter in college. In addition, this course will help students complete all necessary paperwork for entrance into college or an internship program.

Students wishing to take this course must make individual arrangements with the instructor.

COMPUTER MAINTENANCE (A+) CERTIFICATION

Semester (2 period block) 9-12 grade

\$15 Course fee required per semester

In this course, students practice troubleshooting, maintenance, and upgrade of PCs. 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 month's 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 prepares students for the CompTIA 901 & 902.

INTRO TO IT/ CLOUD COMPUTING

Semester (2 period block) 9-12 grade

\$15 Course fee required per semester

The course presents a top-down view of cloud computing, from applications and administration to programming and infrastructure. Its main focus is on parallel programming techniques for cloud computing and large scale distributed systems which form the cloud infrastructure.

LINUX FUNDAMENTALS

Semester (2 period block) 9-12 grade

\$15 Course fee required per semester

This semester course introduces students to the Fedora 20 Linux operating system. Students will learn initial concepts, installation, administration, system management, and X-window system, TCP/IP, SAMBA for both workstations and servers. This course also prepares the student for the CompTIA Linux+ certification exam.

NETWORKING +/CISCO (CCENT CERTIFICATION)

Semester (2 period block)9-12 grade

\$15 Course fee required per 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. Also, students will be introduced to CCENT (Beginning Cisco Certification). Students will learn to describe the operation of data networks, implement small switched networks, implement an IP addressing scheme and IP services to meet network requirements for a small branch office, implement small routed networks, explain and select administrative tasks requires for a WLAN, identify security threats to a network and describe ways to mitigate those threats, and implement WAN links.

SECURITY +

Semester (2 period block)9-12 grade

\$15 Course fee required per semester

This course will prepare you to successfully pass the CompTIA Security+ Exam SYO-401. CompTIA Security Certification covers network security, compliance, and operational security. Also, included is... access control, identity management, and cryptography.

TECHNOLOGY & ENGINEERING

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 age-old student question, "Why do I need to know this?" There are five courses in the Engineering Technology Sequence. Course content is designed to help 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.

ARCHITECTURAL DESIGN 1 & 2

Semester (2 period block)9-12 grade

\$10 Course fee required per semester

If architecture, building construction, interior design, or civil engineering is your interest then this is the class for you. In this class you will learn the process of residential and commercial building design. Students will learn design and construction practices common to architecture. Students will gain knowledge in uniform building codes, blueprint reading, and architectural history. A focus will be placed on sketching, 2D and 3D CAD (Computer Aided Design) drawing. Students will practice using AutoCAD and Revit, which are the most commonly, used design software packages used in the industry by Architects.

Concurrent enrollment available through Weber State Arch 1=IDT 1050 3 credits; Arch 2=BDC 1350 3 credits.

ARCHITECTURAL DESIGN 3

Semester (2 period block)10-12 grade

\$10 Course fee required per semester

This course is designed as a continuation of architectural design studies. It is the third course in a sequence of courses that prepares individuals for careers in Architecture, Engineering, and construction. Students will learn advanced techniques in Revit and AutoCAD software as well as commercial applications, materials and codes associated with construction. At the end of the architectural design sequence, students should be able to pass an industry exam and be prepared for an entry level position in an architectural office. *Concurrent enrollment available through Weber State Arch 3=CMT 2360 4 credits.*

BIOMANUFACTURING 1/ MANUFACTURING PRINCIPLES 1

Semester (2 period block) 10-12 grades

\$40 Course fee required per semester

This course offers hands-on projects designing and building medical devices. Learn 3D printing on the first day of class. Field trips to Utah's most elite medical device engineering, manufacturing and compliance testing companies happen. Understand why FDA regulations and quality systems are important to the medical device industry. Learn the principles and benefits of LEAN (today's industry standard), Six sigma and continuous improvement (Kaizen) in manufacturing. Students will create engineering drawings, use precision measuring instruments, and use CNC manufacturing equipment. Students will learn and demonstrate current technical and engineering professional workplace skills. Career planning and continuous learning skills are acquired. **This course may be taken for CTE credit or to fulfill a third science credit requirement.**

ENGINEERING PRINCIPLES 1 & 2

Semester (2 period block)10-12 grade

\$15 Course fee required per semester

Thinking about Engineering? Learn the ways Engineering impacts the lives of individuals. Identify successful Engineering design processes, then develop fun hands-on projects. Find out how you as a Civil, Computer, Electrical, Bio, Chemical, Materials, or Mechanical Engineer can enhance the health and well-being of individuals. You will apply your basic math and science knowledge in hands-on projects for each engineering discipline. Engineering field trips happen, meet real Engineers. Develop the skills required in today's workplace. **This course may also be taken to fulfill a CTE or third science credit.**

Concurrent enrollment available through SUU (ENGR 1010); 3 credits.

ENGINEERING CAPSTONE (Projects class)

Semester (2 period block)11-12 grade

\$15 Course fee required per semester

Prerequisite: Successful completion of a level 2 Engineering course.

Students will develop product using the engineering design process. The course will require the use of 3D computer aided design (CAD) software, 3D prototype, model machinery (3D printer), and other shop equipment to design, prototype, and test their product. **This course may also be taken to fulfill a third science credit.** *Students wishing to take this course must make individual arrangements with the instructor. Concurrent enrollment available through SUU (CCET 2620); 3 credits.*

ELECTRONICS 1 & 2

Semester (2 period block)9-12 grade

\$15 Course fee required per semester

This course covers basic electronics theory and logic for DC & Digital Electronics. Students will use computer simulations to learn about the logic of electronics as they design, test, and 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.** *Concurrent enrollment available through SUU (EET 1700); 3 credits.*

ELECTRONICS 3

Semester (2 period block)10-12 grade

\$15 Course fee required per semester

Prerequisite: Electronics 1 & 2

Students will use computer simulations to learn about the logic of AC and Advanced Digital electronics including interfacing Raspberry Pi computers. Also, they design, test, and 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.**

COMPOSITES 1

Semester 11-12 grade

\$20 Course fee required persemester

(Taken with Manufacturing Principles 1 = 2 period block)

Strength, stealth, and speed – these are key words related to the composites industry. This course focuses on the properties and manufacturing of fiberglass-reinforced plastics and advanced composites. Composites 1 is the first in a two-part sequence of courses focusing on advanced materials and processing used in planes, cars, bicycles, and many other products. The courses in this pathway include Manufacturing Principles 1, Manufacturing Principles 2, Composites 1, and Composites 2. These courses lead to entry-level technician positions in industry and are appropriate for students desiring college preparation in engineering.

MANUFACTURING PRINCIPLES 1

Semester 11-12 grade

\$20 Course fee required persemester

(Taken with Composites 1 = 2 period block)

The first in a sequence of courses offering “hands-on” experience producing useable items from wood, plastic, and composite material rough stock that meet a given set of design specifications. Students will use basic tools, equipment and operations found in manufacturing industries. Students will create engineering drawings, use precision measuring instruments, manufacturing equipment, machines, and materials to improve an existing design or manufacture original products. Products will comply with quality control standards. This course allows students to experiment with new technologies and assess application of processes, materials, and products.

COMPOSITES 2

Semester 11-12 grade

\$20 Course fee required per semester

(Taken with Manufacturing Principles 2=2period block)

Prerequisite: Composites 1

Composites 2 is the process of changing materials into useable products in a workplace or factory. This is an activity-oriented course for broad exploration of the Composites & Aerospace manufacturing industry. Students will explore hand and machine processes, fabricating, composite materials, and mass production techniques. Activities will incorporate problem solving, creative thinking, independent learning, group interactions and academic integration. Students will manufacture their own projects write a R&D Project choose from the following areas Utah based companies, methods of production, projects, or occupations. **Specialty projects may come with additional fees.**

MANUFACTURING PRINCIPLES 2

Semester 11-12 grade

\$20 Course fee required persemester

(Taken with Composites 2 =2period block)

Prerequisite: Manufacturing Principles 1

The course work for Manufacturing Principles includes discussion and work in the following areas: History and future of Advanced Composites, Systems and methods of production, Engineering problem solving, Employment possibilities, Safety and work standards, Product development, Design and manufacture individual projects, Marketing and mass production. Approximately 75% of the time is spent in the lab working on exercises and projects. *Concurrent enrollment available through SUU (CCET 2690); 3 credits.*

COMPOSITE SENIOR PROJECTS

\$40 **Course fee required per semester**

Semester 12 grade

This course is setup to help students continue to build skills they learned in the early composite courses learn advanced mold making technics this is an independent course set to finish large scale projects. Further engineering courses follow this course at the Granite Technical Institute. They have incentive programs with concurrent enrollment at local universities and are linked with scholarship opportunities. Local engineering companies also offer internship opportunities and employment upon completion of program.

CAD MECHANICAL (ETD) DESIGN 1 & 2

Semester (2 period block)9-12 grade

\$10 **Course fee required per semester**

This exploratory class will introduce students to the process of engineering design. Students will focus on the language of engineering, which includes sketching, technical drawing, orthographic projection, geometry, dimensioning standards and drawing presentations used by industry. Students will be instructed on 2D and 3D CAD (**Computer Aided Design**). Students will practice with the latest CAD software used in the field including **AutoCAD**, **Solid Works**, and **Solid Edge** as they complete hands on projects. *Concurrent enrollment available through SUU CAD Mech 1= CCET 1010 3 credits, CAD Mech 2= CCET 1030 3 credits.*

MECHANICAL (ETD) DESIGN 3

Semester (2 period block)9-12 grade

\$10 **Course fee required persemester**

The third in a sequence of courses that prepares individuals with an emphasis in developing technical knowledge and skills to develop working drawings in support of mechanical and industrial engineers, and related professionals. This includes instruction in the use of 3D Computer Aided Design (CAD) software, threads & fasteners, welding symbols, geometric dimensions & tolerancing, and assemblies. *Concurrent enrollment available through SUU CCET 2650 3 credits.*

ROBOTICS 1

Semester (2 period block)10-12 grade

\$15 **Course fee required persemester**

Recommendation: Engineering Principles or Engineer/Tech Design

Robotics & Automation is a lab-based, hands-on curriculum combining electrical, mechanical, and engineering principles. Students will learn to design, build, program, and control robotic devices by applying science, technology, engineering, and math concepts. A rigorous study and application of electrical concepts will include sources of energy, electrical safety, use and identification of basic electronic components, sensors, and actuators. Engineering concepts will include mechanical design, prototype development, design testing, programming, and proper engineer documentation. Industrial automation, robotic applications and career opportunities will also be discussed.

ROBOTICS 2

Semester (2 period block)10-12 grade

\$15 **Course fee required persemester**

Prerequisite: Robotics 1

Robotics & Automation is a lab-based, hands-on curriculum combining electrical, mechanical, and engineering principles. Students will learn to design, build, program, and control robotic devices by applying science, technology, engineering, and math concepts. A rigorous study and application of electrical concepts will include sources of energy, electrical safety, use and identification of basic electronic components, sensors, and actuators. Engineering concepts will include mechanical design, prototype development, design testing, programming, and proper engineer documentation. Industrial automation, robotic applications and career opportunities will also be discussed. *Concurrent enrollment available through SUU (EET 1600); 3 credits.*