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LEGEND (Credit)

A = Fine Art	ES = Earth Science	M = Mathematics
AAF-M = Applied, Advanced Foundation Math	F = Financial Literacy	PS = Physical Science
AAF-S = Applied, Advanced Foundation Science	GFL = Geography for Life	PST = Participation Skills & Techniques
BS = Biological Science	HE = Health Education	Sr.LA = Senior Language Arts
CS = Chemistry Science	IFA = Individual Fitness Activity	WC = World Civilizations
CT = Computer Technology	LA = Language Arts	USH = US History
CTE = Career and Technical Education	LF = Fitness for Life	USGC = US Government & Citizenship
E = Electives		

Important Note: The type of credit awarded for a course is a result of the type or category of the course, the curriculum delivered, and the instructor's teaching endorsement/credential. When a course listing notes multiple options of credit (i.e. CTE, A or IFA), the instructor's endorsement will influence what type of credit is actually available to the student.

Middle Schools

Copper Mountain Middle School	801-412-1200
12106 Anthem Park Blvd., Herriman, Utah 84096	
Elk Ridge Middle	801-412-2800
3659 W. 9800 S., South Jordan 84095	
Fort Herriman Middle School	801-412-2450
14058 S. Mirabella Drive (6200 W.), Herriman 84065	
Joel P. Jensen Middle	801-412-2850
8105 S. 3200 W., West Jordan 84088	
Oquirrh Hills Middle	801-412-2350
12949 S. 2700 W., Riverton 84065	
South Hills Middle	801-412-2400
13508 S. 4000 W., Riverton 84065	
South Jordan Middle	801-412-2900
10245 S. 2700 W., South Jordan 84095	
Sunset Ridge Middle School	801-412-2475
8292 S. Skyline Arch Drive, West Jordan, 84081	
West Hills Middle	801-412-2300
8270 S. Grizzly Rd. (5400 W.), West Jordan 84088	
West Jordan Middle	801-412-2100
7550 S. 1700 W., West Jordan 84084	

High Schools

Bingham High	801-256-5100
2160 W. Miners Mile (10400 S.), South Jordan 84095 .. Attendance:	
.....	801-256-5110
.....	Counselors: 801-256-5120
Copper Hills High	801-256-5300
5445 New Bingham Highway, West Jordan 84088 .. Attendance:	
.....	801-256-5310
.....	Counselors: 801-256-5320
Herriman High	801-567-8530
11917 S. 6000 W., Herriman 84096 .. Attendance:	
.....	801-567-8550
.....	Counselors: 801-567-8560
Riverton High	801-256-5800
12476 S. Silverwolf Way (2700 W.), Riverton 84065. Attendance:	
.....	801-256-5810
.....	Counselors: 801-256-5820
West Jordan High	801-256-5600
8136 S. 2700 W., West Jordan 84088 .. Attendance:	
.....	801-256-5610
.....	Counselors: 801-256-5620
Valley High	801-572-7035
325 W. 11000 South, South Jordan 84095	
Jordan Applied Technology Center	801-256-5900
9301 S. Wights Fort Road (3400 W.), West Jordan 84088	
Canyons Technology Education Center	801-826-6600
825 E. 9085 S., Sandy 84094	

INTRODUCTORY INFORMATION

This catalog provides information to assist students in selecting classes for the successful completion of middle school and high school. This introductory section contains information about graduation requirements, options for obtaining high school credit, competency testing, fees and fee waivers. The course offerings section provides a list and descriptions of middle and high school courses taught in the district, although not every course is offered at each middle school or high school. The ninth grade offerings are separate from the tenth, eleventh, and twelfth grade offerings because ninth grade credits are earned in the middle school. The catalog also contains listings for Advanced Placement, Utah Students Connect/Jordan Connect, Jordan Applied Technology Center, Canyons Technical Education Center and Concurrent Enrollment courses.

7th Grade Credit Requirements

Language Arts	1.0
Reading	1.0
Mathematics	1.0
Integrated Science	0.5
Utah Studies	0.5
Physical Education	0.5
Career and Technical Education	1.0

8th Grade Credit Requirements

Language Arts	1.0
Reading or World Languages	1.0
Mathematics	1.0
Integrated Science	1.0
U.S. History	1.0
Physical Education	0.5

Additional Requirements for 7th and 8th Grade Years

Fine Arts	1.0
Health	0.5

High School Graduation Requirements

To graduate from a Jordan School District high school, a student must:

- Earn the minimum number of credits designated by the high school a student attends. **In Jordan School District, credit requirements range from 24 to 27 credits, depending upon the scheduling system of each high school.**
- Meet attendance requirements as designated by Jordan School District. (*See Credit Guidelines: Residency Requirement*).

Course and Credit Requirements

Credit is awarded on the basis of a student's participation, mastery of subject matter, and/or attainment of skills. Credit is granted for courses taken in grades 9-12. Credit earned during the summer prior to ninth grade may be applied towards graduation. Jordan School District requires the "minimum core curriculum" as specified by the Utah State Office of Education Rule 277-700-6 along with the additional course credits listed below for high school graduation.

Requirements for Graduating Classes of 2014, 2015, 2016

Language Arts	4.0
Students should see a guidance counselor regarding Foundation/Core and Advanced, Applied, or Foundation (AAF) requirements.	
Social Studies	3.5
1.0 Geography for Life	
1.0 World Civilizations	
1.0 U.S. History	
0.5 U.S. Government & Citizenship (11 th or 12 th grade)	
Mathematics	3.0
2.0 Foundation/Core credits	
1.0 additional Foundation/Core Credit or Advanced, Applied, or Foundation (AAF) Credit	
Science	3.0
2.0 credits from two different Foundation/Core areas: Earth, Biology, Chemistry, Physics	
1.0 additional Foundation/Core or Applied, Advanced, or Foundation (AAF) credit	
Healthy Lifestyles	2.0
0.5 Health Education	
0.5 Participation Skills & Techniques	
0.5 Fitness for Life	
0.5 Elective Individual Fitness Activity or 2 Seasons of a UHSAA Team Sport	
Fine Arts	1.5
Career and Technical Education	1.0
Computer Technology	0.5
Computer Technology 1 or State-Approved Exam	
Financial Literacy	0.5
Elective Credits	
*Elective Credits	8
*TOTAL CREDITS	27

****Note: Valley High School only requires five elective credits. As a result, only 24 total credits are required for a Valley High School Diploma.***

Alternative Ways to Earn Credit

A number of alternative study programs are available for students to earn credit. **Before registering for any alternative class, a student must contact a counselor to make certain the class will provide the credit needed.** Students in 11th and 12th Grade are eligible to enroll at Valley High School, an alternative district school. Students in 10th Grade are eligible to enroll at Valley High School during the second semester. Contact a high school administrator for enrollment information.

Credit toward high school graduation grades (9-12) may be earned through Valley High School, summer school, concurrent enrollment, online education, and other special programs, including teen parents and home and hospital. Credit may also be earned through accredited private schools and accredited university/college, or accredited home study programs.

Jordan School District secondary schools will accept credit and grades awarded to students from schools or providers accredited by the Northwest Accreditation Commission, a division of AdvancED, or credits approved by the Board without alteration. [State Board Rule R277-705-3B (1)]

Attendance Requirements

1. **Completion of elementary and middle school:** Each student's permanent record file should indicate that elementary and middle schools have been completed at the time of high school entry. If not, a principal must stipulate that a student has completed elementary school and middle school or their equivalent.
2. **Semester attendance:** A student must complete eight semesters of school grades 9 to 12 with regular class attendance, with the exception of a student who elects to take advantage of the Early Graduation incentive.**
3. **Disclosure statements:** Each teacher, in a disclosure statement designed for that class, will explain attendance requirements for individual classes. The terms of the disclosure statement determine any penalty for absence from class and whether or not make-up work will be allowed.

Acceleration Options

Jordan School District offers a variety of options in conjunction with the Utah State Office of Education and/or colleges and universities for students to accelerate their high school program and earn college credit. Check with the school counseling department for information on Advanced Placement, Concurrent Enrollment, Early Enrollment/Early Admissions, and Early Graduation.

Classroom Fees

Students are expected to furnish their own classroom supplies, including pens, pencils, paper, gym clothing, and towels. Students may be expected to furnish some materials for classes in art, career technology education, or math, etc. These materials become the property of the students. **For fee waiver information, please contact your local school.**

**Eligible students will receive a graduation diploma only from the high school at which they have been enrolled during the entire semester in which they complete the graduation requirements.

NOTES TO ADMINISTRATORS

1. The Jordan District Secondary Course Catalog includes all courses taught in Jordan School District grades 7 – 12.
2. Each course will have a five-digit number.
3. The first 4 digits are the Skyward number assigned by the district. The fifth digit is assigned by the individual schools. (See numbering system that follows).
4. The fifth digit may be used by schools for individual needs with the exception of the 0 (zero) and 1 (one). Courses which are a full year or 1.0 credit will have 0 (zero) for the fifth digit. Courses which are semesters or .5 credits will have 1 (one) for the fifth digit.

Example:

5300 <u>0</u>	Secondary Mathematics 1	1.0 Credit
1026 <u>1</u>	Art Foundations 1	.5 Credits

5. Classes which could be either 1.0 or .5 credit will use the same system.

Example:

3141 <u>0</u>	Astronomy	1.0 Credit
3141 <u>1</u>	Astronomy	.5 Credits

6. Designating a first or second semester for a course may be done by the school. Any combination of the fifth digit may be used.

Example:

1026 <u>1</u>	Art Foundations 1	1st Semester
1026 <u>2</u>	Art Foundations 1	2nd Semester

or

1026 <u>4</u>	Art Foundations 1	1st Semester
1026 <u>7</u>	Art Foundations 1	2nd Semester

Additional courses must be submitted to the District Course Catalog Committee for review and approval prior to implementation at the school level.

**FINE ARTS CREDIT REQUIREMENTS
AND APPROVED COURSES FOR MIDDLE SCHOOL AND HIGH SCHOOL**

**7– 8 Grades
BASIC CORE
1.0 Credits Required**

DANCE

Dance 1 and 2
Advanced Dance

MUSIC

Music Connections
Choir Mixed
Choir Tenor/Bass and Soprano/Alto
Concert Choir
Band 1 and 2
Band 1 Percussion
Band 1 Brass
Band 1 Woodwinds
Concert Band
Jazz Band
Symphonic Band
Orchestra 1, 2, and 3
Guitar 1 and 2

THEATRE

Beginning Theatre
Intermediate Theatre

VISUAL ARTS

Art Foundations, 1 and 2
Advanced Foundations 2-D Art 1
Ceramics 1 and 2
Sculpture,
Commercial Art and Electronic Media 1
3-D Design 1 and 2
Drawing 1 and 2
Painting 1 and 2
Photography1

**9 – 12 Grades
CORE OPTIONS
1.5 Credits Required**

DANCE

Dance 1 and 2
Advanced Dance
Dance Company
Social/Ballroom Dance
Men's Hip Hop

MUSIC

Choir Tenor/Bass and Soprano/Alto
Vocal Technique 1 and 2
Mixed Choir
Concert Choir
Vocal Ensemble (Madrigals)
Bell Choir
Concert Band
Jazz Band
Symphonic Band
Marching Band
Percussion Ensemble
Orchestra
Guitar 1, 2, and 3
Music Composition (MIDI)
American Music of the 20th Century
Music Theory AP
Concurrent Enrollment Music Classes

THEATRE

Theatre 1, 2, 3, and 4
Concurrent Enrollment Theatre Classes

VISUAL ARTS

Art Foundations 1 and 2
Printmaking 1 and 2
Ceramics 1, 2, 3, and 4
Sculpture 1 and 2
Commercial Art/Electronic Media 1 and 2
Advertising Production Art
3-D Design 1 and 2
Drawing 1, 2, and 3
Painting 1 and 2
Lettering and Calligraphy 1 and 2
Photography 1
Film Studies 1 and 2
Art History AP
Studio Art: 2-D and 3-D Design AP
Studio Art: Drawing AP
Concurrent Enrollment Art Courses

HIGH SCHOOL GRADUATION REQUIREMENTS FOR SCIENCE AND APPROVED COURSES

Students must have three science credits for graduation. The first two credits must be from two different Foundation/Core areas. The third credit may be a Foundation/Core or an Applied, Advanced, Foundation (AAF) course. (See below). Students who wish to broaden their content background to prepare for ACT testing and college work are recommended to take courses from as many science disciplines as possible.

FOUNDATION/CORE COURSES

Biology

Biology
AP Biology
Biology 1010/1015
Biology 1610/1615
Concurrent SLCC
Biology Agricultural Science

Chemistry

Chemistry
AP Chemistry
Chemistry 1110/1115
Chemistry 1120/1125

Earth Science

Earth Science

Physics

Physics
AP Physics
Physics with Technology

Advanced, Applied, Foundation (AAF) Course Options for 3rd Science Credit

Astronomy
Genetics
Geology
Human Anatomy & Physiology
Marine Biology & Oceanography
Wildlife Biology
Zoology

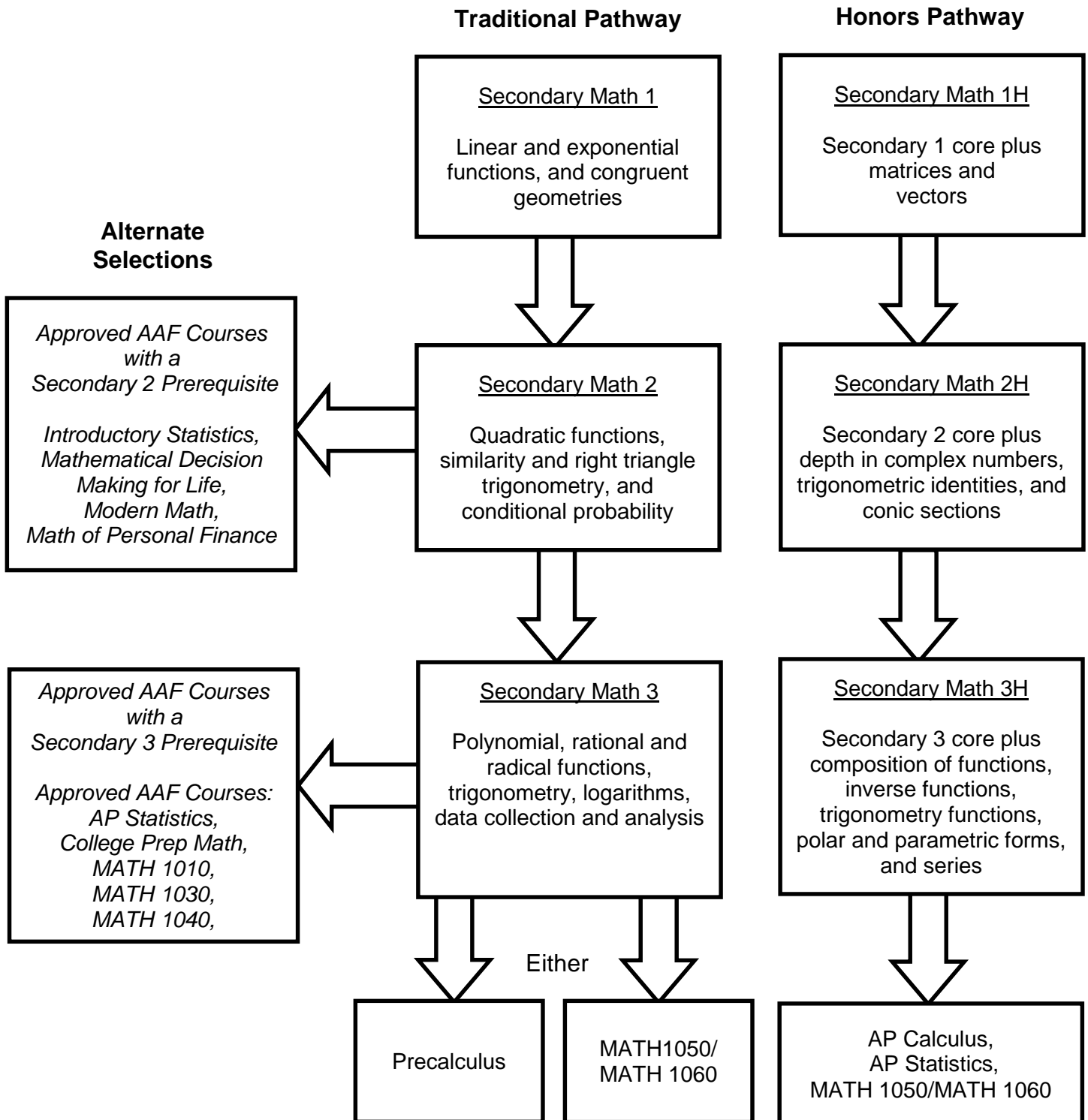
BIOL 1010/1015
BIOL 2320/2325
BTEC 1010
BTEC 1015
BTEC 1020
BTEC 1030
BTEC 1080
CHEM 1010
GEO 1010
ENGR 1000
MET 1010
PHYS 1040

Animal Science 1
Animal Science 2
Biotechnology
Digital Electronics
Engineering 1
Medical Anatomy & Physiology
Natural Resource Science Management
Plant and Soil Science and Technology 1
Plant and Soil Science and Technology 2
Principals of Engineering
Veterinary Assistant
Veterinary Technician

HIGH SCHOOL GRADUATION REQUIREMENTS FOR MATH AND APPROVED PATHWAYS/COURSES

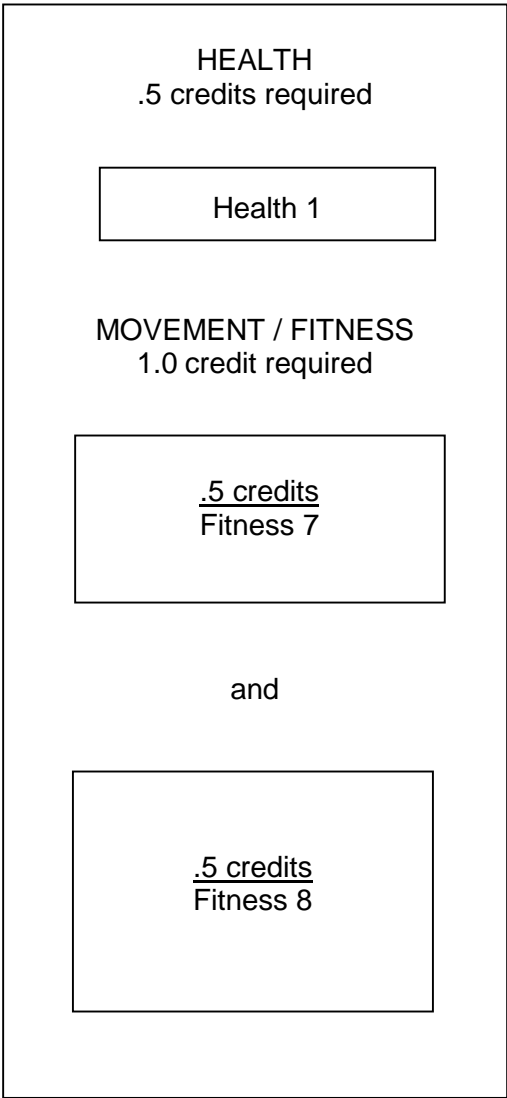
3.0 units of credit are required for high school graduation

2.0 Core and 1.0 Applied, Advanced, or Foundation (AAF) and
a minimum of Secondary Math 1 and Secondary Math 2 is required.

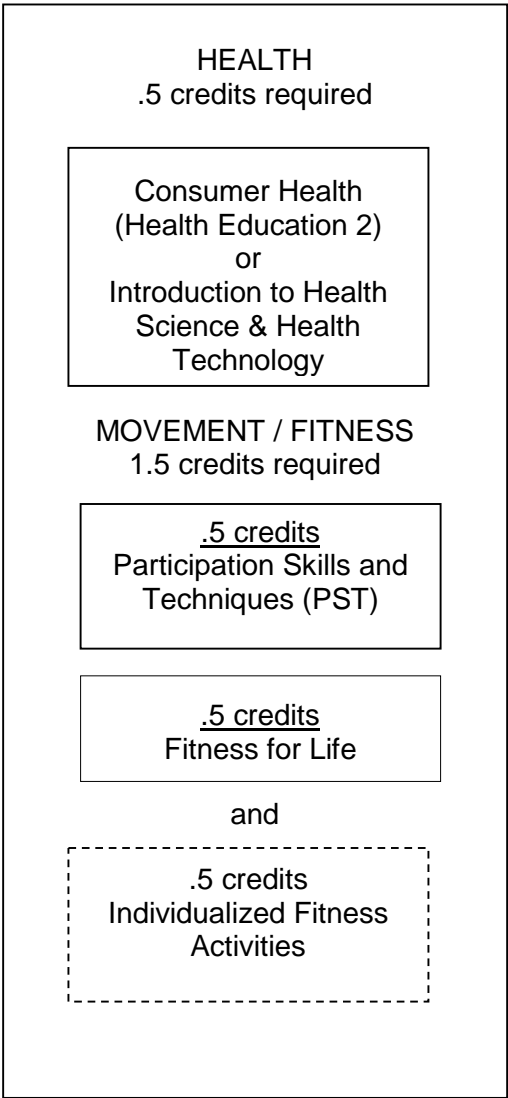


**HEALTHY LIFESTYLES CREDIT REQUIREMENTS
AND APPROVED COURSES FOR MIDDLE SCHOOL AND HIGH SCHOOL**

7 – 8 Grades



9 – 12 Grades



BASIC
CORE

CORE
OPTION

Middle School Course Offerings

7-9 Grades

FINE ARTS

(Refer to the chart on Page 6 for the credit requirements and list of approved courses)

VISUAL ARTS

Fees may be required for art courses

<u>Advanced Foundation 2-D Art 1</u>	1025	(A)	7-9	.5
<i>Prerequisite for 7th grade: Art Foundations 1</i>				
This course is designed to provide an enhanced experience with the artistic issues of Foundations 1 through two-dimensional art that is not usually included with drawing, painting, and/or printmaking. These non-traditional art media would include (but not be limited to): photo (both darkroom and digital), computer and digital art, collage, photo copy manipulations, and animations. This course is mainly directed towards the effective use of the elements and principles of design.				
<u>Art Foundations 1</u>	1026	(A)	7-9	.5
Art Foundations 1 provides an overview of visual arts while studying a broad variety of art tools and materials. With an emphasis on studio production, this course is designed to develop higher-level thinking, art related technology skills, art criticism, art history, and aesthetics.				
<u>Art Foundations 2</u>	1027	(A)	7-9	.5
<i>Prerequisite: Art Foundations 1 or Instructor approval</i>				
Art Foundation 2 provides an overview and introduction to visual arts through studying a variety of art tools and materials. This course builds on Foundations 1 with a more in-depth experience with fewer art forms. This course is designed to develop higher-level thinking, art-related technology skills, art criticism, art history, and aesthetics, with an emphasis on studio production.				
<u>Ceramics 1</u>	1029	(A)	8, 9	.5/1.0
Ceramics develops basic skills in the creation of 3-D forms and pottery from clay. Techniques in hand building, wheel throwing, basic glazing, and firing are taught. With an emphasis on studio production, this course is designed to develop higher-level thinking and art-related technology skills. Some art criticism, art history, and aesthetics may be included.				
<u>Ceramics 2</u>	1030	(A)	8, 9	.5/1.0
<i>Prerequisite: Ceramics 1</i>				
This is an intermediate course that builds upon the concepts and skills learned in Ceramics 1. Students will consistently produce quality pieces of ceramics.				
<u>Sculpture 1</u>	1033	(A)	8, 9	.5
Sculpture is an overview of basic skills used to create 3-D works of art. Both additive and subtractive techniques will be taught. With an emphasis on studio production, this course is designed to develop higher-level thinking skills and art-related technology skills. Some art criticism, art history, and aesthetics may be included.				
<u>3-D Design 1</u>	1042	(A)	8, 9	.5
<i>Prerequisite: Art Foundations 1, or Instructor approval</i>				
3-D Design provides an overview and introduction to fine crafts, their media, and the cultures they represent. Students will work with mixed media (macramé, batik, hooking, soft sculpture, wood carving, stained-glass, etc.) to create art objects that have a utilitarian purpose. This course is designed to develop higher-level thinking skills and art-related technology skills with an emphasis on studio production. Some art criticism, art history, and aesthetics may be included.				
<u>3-D Design 2</u>	1043	(A)	8, 9	.5
<i>Prerequisite: 3-D Design 1</i>				
This class is an advanced course in 3-D design. The student is encouraged to experiment with new materials and to create one-of-a-kind solutions to functional problems. Students are directed to work on independent projects following a theme or pursuing particular problems of design or construction. The goal of the course is to create pieces for exhibition or portfolio purposes.				
<u>Drawing 1</u>	1044	(A)	8, 9	.5
Drawing focuses on black and white or monochromatic rendering from life, pictures, masterworks, and imagination. This course is designed to develop higher-level thinking and art-related technology skills with an emphasis on studio production. Some experiences in art criticism, art history, and aesthetics may be included.				
<u>Drawing 2</u>	1045	(A)	8, 9	.5/1.0
<i>Prerequisite: Drawing 1</i>				
This is an intermediate course in drawing that builds on the skills and concepts taught in Drawing 1. The use of value is emphasized. Atmospheric perspective and accurate shading are studied along with composition.				
<u>Painting 1</u>	1046	(A)	8, 9	.5/1.0
Painting 1 includes wet and dry color media with processes such as transparent and opaque painting focusing on the properties of color. Techniques with color media mixing and application will be covered. With an emphasis on studio production, this course is designed to develop higher-level thinking skills and art-related technology skills. Some art criticism, art history, and aesthetics may be included.				

Painting 2 1047 (A) 8, 9 .5/1.0

Prerequisite: Painting 1

This is an intermediate course that builds on the skills and concepts learned in Painting 1. More complex techniques and processes are taught. Composition is emphasized as the student learns to make a clear visual statement in a painting.

Photography 1 1058 (A) 8, 9 .5

Photography includes the inventive use of light and photographic equipment to create art. This is a fundamental course covering camera mechanics, film types, lighting, and composition. Basic dark room procedures such as; processing, contact printing, and enlarging are covered as well. With an emphasis on studio production, this course is designed to develop higher-level thinking skills and art-related technology skills. Some art criticism, art history, and aesthetics may be included.

THEATRE

Beginning Theatre 1600 (A) 7-9 .5/1.0

This is an introductory course in theatre with an emphasis on performance. No previous experience is necessary. The course will include pantomime, improvisation, mono acts, characterization, and scenes from plays, play reading, and work with voice projection and diction.

Intermediate Theatre 1601 (A) 8, 9 .5/1.0

Prerequisite: Beginning Theatre or Instructor approval

This is an intermediate course in theatre with an emphasis on performance. The course will include dramatic and humorous readings, mono acts, and scenes from plays, pantomime, and an overview of the history of theatre, puppetry, radio, T.V., and film.

DANCE

Dance 1 7146 (A, IFA) 7-9 .5/1.0

This course offers basic dance techniques, fitness fundamentals, movement qualities, and rhythm with an emphasis on creativity, sequencing, and problem solving.

Dance 2 7147 (A, IFA) 8, 9 .5/1.0

Prerequisite: Dance 1 or Instructor approval

A course designed to develop dance techniques, flexibility, and coordination, with an emphasis on creativity and artistic composition. There will be performances outside of class time that are part of the course requirements, and they will constitute a portion of the grade.

Advanced Dance 7148 (A, IFA) 9 .5/1.0

Prerequisite: Instructor approval

A course designed to enhance and develop all aspects of dance technique and composition, emphasizing creativity and artistic choreographic skills. There will be performances outside of class time that are part of the course requirements, and they will constitute a portion of the grade.

Social/Ballroom Dance 1 7144 (A, IFA) 9 .5/1.0

This course offers instruction and practice in the basic social dance steps, rhythms, and techniques. The following dances may be included; foxtrot, cha-cha, waltz, swing, mambo, western swing, and western line dance.

MUSIC

A participation or instrument rental fee may be required.

Music Connections 1301 7-8 .5/1.0

Music Connections is an extension of the K-6 Music Core and includes concepts and skills to integrate music into everyday life. Study will include: exploration in creating, experiments with singing/playing/reading music, development of analytical and evaluative skills in music listening, investigations of various purposes of music, and inquiry into music's impact on culture, history, quality of life, and other subject areas.

Orchestra 1 1302 (A) 7-9 1.0

This class is for students who would like to learn to play a violin, viola, cello, or string bass. No experience necessary. Practice outside of class time and performances are part of this course. Instruments are required. If available, a viola, a cello, or a string bass may be rented from the school for a nominal fee.

Orchestra 2 1303 (A) 7-9 1.0

Prerequisite: Instructor approval

This is an intermediate-level orchestra class focusing on intermediate-level literature for orchestra. Rehearsals and performances outside of class time are part of the course requirements and will constitute a portion of the grade. Practice outside of class time with instrument is required. If available, a viola, a cello, or a string bass may be rented from the school for a nominal fee.

Orchestra 3 1304 (A) 7-9 1.0

Prerequisite: Instructor approval (Audition and/or interview possible)

This is an orchestra class focusing on advanced-level literature for orchestra. Rehearsals and performances outside of class time are part of the course requirement and will constitute a portion of the grade. Practice outside of class time with instrument is required.

<u>Band 1 Woodwinds</u>	1306	(A)	7-9	1.0
This is a beginning band class offered for students who wish to learn to play the flute, oboe, clarinet or saxophone. Practice outside of class time and performances are part of this course. An instrument is required. If available, an oboe or tenor saxophone may be rented at the school for a nominal fee.				
<u>Band 1 Brass</u>	1307	(A)	7-9	1.0
This is a beginning band class offered for students who wish to learn to play the cornet, trumpet, French horn, baritone horn, euphonium, trombone, or tuba. Practice outside of class time and performances are part of this course. An instrument is required. If available, a French horn, baritone horn, euphonium, or tuba may be rented at the school for a nominal fee.				
<u>Band 1 Percussion</u>	1308	(A)	7-9	1.0
This is a beginning band class offered for students who wish to learn to play the drums, mallet keyboard instruments, and other percussion-related instruments. Practice outside of class time and performances are part of this course. Drum sticks are required. A drum kit or mallets may also be required as per teacher request.				
<u>Band 1</u>	1345	(A)	7-9	1.0
This is a course in beginning band offered for students who have had little or no previous experience in playing an instrument. Practice outside of class time and performances are part of this course. An instrument is required. If available, an oboe, bass clarinet, tenor saxophone, baritone saxophone, French horn, baritone horn, euphonium, or tuba may be rented at the school for a nominal fee.				
<u>Band 2</u>				
<i>Prerequisite: Instructor approval</i>				
<u>Band 2</u>	1309	(A)	7-9	1.0
This is a band class for students with at least one year of band experience. Rehearsals and performances outside of class time are part of the course requirement and will constitute a portion of the grade. Practice outside of class time and performances are part of this course. An instrument is required. If available, an oboe, bass clarinet, bassoon, tenor saxophone, baritone saxophone, French horn, baritone horn, euphonium, or tuba may be rented at the school for a nominal fee.				
<u>Concert Band</u>	1346	(A)	7-9	1.0
<i>Prerequisite: Audition/Interview</i>				
This is an intermediate level band course that encourages increased technical and expressive musical proficiency through performance and study of music. Rehearsals and performances outside of class time are part of the course requirement and constitute a portion of the grade. Practice outside of class time with an instrument is required. If available, an oboe, bass clarinet, bassoon, tenor saxophone, baritone saxophone, French horn, baritone horn, euphonium, or tuba may be rented at the school for a nominal fee.				
<u>Jazz Band</u>	1348	(A)	7-9	1.0
<i>Prerequisite: Audition</i>				
This is a course open to students whose interests are in performing jazz, rock, and related musical literature. The group is designed to provide fundamental knowledge of this music through performance. Rehearsals and performances outside of class time are part of the course requirement and constitute a portion of the grade. Practice outside of class time with an instrument is required. If available, a tenor saxophone, baritone saxophone, or electric bass guitar may be rented at the school for a nominal fee.				
<u>Symphonic Band</u>	1349	(A)	7-9	1.0
<i>Prerequisite: Audition/Interview</i>				
This is an advanced course which performs varied, advanced-level music. Attendance is required at all rehearsals and performances. Rehearsals and performances outside of class are part of the course requirement and constitute a portion of the grade. Practice outside of class time with an instrument is required. If available, an oboe, bass clarinet, bassoon, tenor saxophone, baritone saxophone, French horn, baritone horn, euphonium, or tuba may be rented at the school for a nominal fee.				
<u>Guitar 1</u>	1330	(A)	8, 9	.5
This course provides opportunities for students to develop their musical potential and aesthetic understanding through learning to play a guitar. Emphasis will be placed on: playing position, tone production, fundamental technique, simultaneous playing and singing, reading music, and composing songs/lyrics. Knowledge and skills will include experiences in singing, playing, listening, and connecting to cultures. An instrument is required for class time, as well as for practicing outside of class.				
<u>Guitar 2</u>	1331	(A)	8, 9	.5/1.0
<i>Prerequisite: Guitar 1 or equivalent</i>				
This is a course designed to provide students with more advanced strums, bar chords, and melodic picking. An instrument is required during class. Practice outside of class time with an instrument is also required.				
<u>Choir 1 Mixed</u>	1325	(A)	7-9	.5/1.0
This class is open to all students. Emphasis will be placed on quality vocal production, individual singing, and music reading skills. Rehearsals and performances outside of class time are part of the course requirement and will constitute a portion of the grade.				
<u>Choir 1 Tenor/Bass</u>	1332	(A)	7-9	.5/1.0
This is a vocal music course open to all students with tenor or bass vocal ranges. Two, three, and four-part music is performed at various concerts. Primary consideration is given to part-singing, good vocal production, and rudiments of music. Rehearsals and performances outside of class time are part of the course requirements and constitute a portion of the grade.				

<u>Choir 1 Soprano/Alto</u>	1333	(A)	7-9	.5/1.0
This is a vocal music course open to all students with soprano or alto vocal ranges. Two, three or four-part music is performed at various concerts. Primary consideration is given to part-singing, good vocal production, and rudiments of music. Rehearsals and performances outside of class time are part of the course requirements and constitute a portion of the grade.				
<u>Choir 2 Mixed</u>	1334	(A)	7-9	.5/1.0
This is a vocal music course that is open to all students. It covers three and four-part music and a review of singing fundamentals. Approval of the instructor may be required. Rehearsals and performances outside of class time are part of the course requirements and constitute a portion of the grade.				
<u>Concert Choir</u>	1335	(A)	7-9	.5/1.0
<i>Prerequisite: Audition/Instructor approval</i>				
This is an advanced vocal music group that is designed for students to sing advanced choral literature and build more techniques in singing. Rehearsals and performances outside of class time are part of the course requirements and constitute a portion of the grade.				

SCIENCE

(Refer to the chart on Page 7 for the credit requirements and list of approved courses)

<u>Integrated Science 7</u>	3050		7	.5/1.0
Seventh Grade Integrated Science focuses on the theme of "structure." Life, physical, and earth science contents are integrated in a core curriculum. The standards to be taught relate to matter, structure of earth's crust and interior, structure of cells and organisms, reproduction and heredity of organisms, and classification schemes.				
<u>Integrated Science 8</u>	3051		8	1.0
Eighth Grade Integrated Science focuses on the theme of "change." Physical, earth, and life science contents are integrated in a core curriculum. The standards to be taught relate to observations of chemical and physical change, changes in biological energy, forces, energy and motion, constructing machines, and changes in the Earth's crust and during the rock cycle.				
<u>Earth Science (Foundation/Core)</u>	3101	(ES)	9	1.0
The theme for Earth Science is systems as an organizing concept to understand life on Earth, geological change, and the interaction of atmosphere, hydrosphere, and biosphere. Earth's place in the universe, internal structure, atmospheric processes, and resources are explored to help students understand how Earth Science interacts with society.				
<u>Biology (Foundation/Core)</u>	3111	(BS)	9	1.0
The Biology Core includes three major concepts for instruction. (1) The structures in all living things occur as a result of necessary functions. (2) Interactions of organisms in an environment are determined by the biotic and abiotic components of the environment. (3) Evolution of species occurs over time and is related to the environment in which the species live.				
<u>Biology H (Foundation/Core)</u>	3004	(BS)	9	1.0
<i>Prerequisite: Instructor approval</i>				
The Biology Core includes three major concepts for instruction. (1) The structures in all living things occur as a result of necessary functions. (2) Interactions of organisms in an environment are determined by the biotic and abiotic components of the environment. (3) Evolution of species occurs over time and is related to the environment in which the species live. Students will be expected to design investigations in the laboratory and field using research technologies.				

WORLD LANGUAGES

<u>French 1</u>	4100	(E)	7-9	1.0
This course is designed to teach elementary skills in listening, speaking, reading, and spelling. The course content includes vocabulary for classroom and school subjects, foods, clothing, telling time, reading the calendar, weather, seasons, modes of transportation, and common locations. Students will develop an appreciation for the culture of the countries where the language is spoken.				
<u>French 2</u>	4101	(E)	8, 9	1.0
<i>Prerequisite: French 1</i>				
This course is designed to teach intermediate skills in listening, speaking, reading, and writing. The course content includes further development of vocabulary of dining, traveling, shopping, and personal feelings. Students will develop an appreciation for the culture of the countries where the language is spoken.				
<u>German 1</u>	4120	(E)	7-9	1.0
This course is designed to teach elementary skills in listening, speaking, reading, and spelling. The course content includes vocabulary for classroom and school subjects, foods, clothing, telling time, reading the calendar, weather, seasons, modes of transportation, and common locations. Students will develop an appreciation for the culture of the countries where the language is spoken.				
<u>German 2</u>	4121	(E)	8, 9	1.0
<i>Prerequisite: German 1</i>				
This course is designed to teach intermediate skills in listening, speaking, reading, and writing. The course content includes further development of vocabulary of dining, traveling, shopping, and personal feelings. Students will develop an appreciation for the culture of the countries where the language is spoken.				

<u>Spanish 1</u>	4180	(E)	7- 9	1.0
This course is designed to teach elementary skills in listening, speaking, reading, and spelling. The course content includes vocabulary for classroom and school subjects, foods, clothing, telling time, reading the calendar, weather, seasons, modes of transportation, and common locations. Students will develop an appreciation for the culture of the countries where the language is spoken.				
<u>Spanish 2</u>	4181	(E)	8, 9	1.0
<i>Prerequisite: Spanish 1</i>				
This course is designed to teach intermediate skills in listening, speaking, reading, and writing. The course content includes further development of vocabulary of dining, traveling, shopping, and personal feelings. Students will develop an appreciation for the culture of the countries where the language is spoken.				
<u>Spanish for Native Speakers 1</u>	4187	(E)	7- 9	1.0
This course is designed to teach elementary academic skills in reading and writing for the native speaker. The course content includes further development of reading and writing skills for students who already have a grasp of the spoken language. Opportunities to share cultural information from countries where Spanish is spoken will be available to students.				
<u>Spanish for Native Speakers 2</u>	4188	(E)	8, 9	1.0
<i>Prerequisite: Spanish for Native Speakers 1</i>				
This course is designed to cover intermediate skills in listening, speaking, reading, and writing. The course focus includes further development of reading and writing skills for students who already have a strong grasp of the spoken Spanish language.				
<u>World Language Exploration</u>	4199		7	.5/1.0
This course is designed to provide students with a rotating introduction to languages offered at their school. Focusing on listening and speaking skills, students will develop world language study strategies and acquire a variety of vocabulary sets. The course will expand student knowledge of other languages and cultures. It will also aid them in making more informed decisions about their future language study.				

LANGUAGE ARTS

<u>Language Arts 7 – CORE</u>	4499		7	1.0
This course, based on the 7 th Grade Utah English Language Arts (ELA) Core Standards, is a combination of Language Arts and Reading and follows course descriptions for Language Arts 7 and Reading 7.				
<u>Language Arts 7 B – CORE</u>	4500		7	1.0
This course is not intended to be taught as a stand-alone course. It is a <i>companion course</i> to course number 4499 Language Arts 7-Core. It is based on the 7 th grade Utah ELA Core Standards and follows course descriptions for Language Arts 7 and Reading 7.				
<u>Language Arts 7</u>	4505		7	1.0
This course, based on the 7 th Grade Utah English Language Arts (ELA) Core Standards, is designed for grade level instruction in reading comprehension, writing, methods of inquiry, and the processes, skills, and strategies of effective communication.				
<u>Language Arts 7 H</u>	4506		7	1.0
<i>Prerequisite: Instructor approval</i>				
This course, based on the 7 th Grade Utah English Language Arts (ELA) Core Standards, is designed for students who qualify for more advanced instruction in reading comprehension, writing, methods of inquiry, and the processes, skills, and strategies of effective communication.				
<u>Reading 7</u>	4502		7	.5/1.0
This course, based on the 7 th Grade Utah English Language Arts (ELA) Core Standards, is designed for grade-level instruction in reading comprehension, vocabulary, and reading skills for reading literary, informational, and functional texts.				
<u>Reading 7 A</u>	4501		7	.5/1.0
<i>Prerequisite: Instructor approval</i>				
This course, based on the 7 th Grade Utah English Language Arts (ELA) Core Standards, is designed for students requiring basic instruction with targeted reading intervention in reading comprehension, vocabulary, and reading skills to assist striving readers with literary, informational, and functional texts.				
<u>Reading 7 H</u>	4503		7	.5/1.0
<i>Prerequisite: Instructor approval</i>				
This course, based on the 7 th Grade Utah English Language Arts (ELA) Core Standards, is designed for students who qualify for more advanced instruction in reading comprehension, vocabulary, and reading skills for reading above grade-level literary, informational, and functional texts.				
<u>Language Arts 8</u>	4524		8	1.0
This course, based on the 8 th Grade Utah English Language Arts (ELA) Core Standards, is designed for grade-level instruction reading comprehension, writing, methods of inquiry, and the processes, skills, and strategies for effective communication.				
<u>Language Arts 8 H</u>	4525		8	1.0
<i>Prerequisite: Instructor approval</i>				
This course, based on the 8 th Grade Utah English Language Arts (ELA) Core Standards, is designed for students who qualify for more advanced instruction in reading comprehension, writing, methods of inquiry, and the processes, skills, and strategies for effective communication.				

Reading 8 4521 8 .5/1.0
 This course, based on the 8th Grade Utah English Language Arts (ELA) Core Standards, is designed for grade-level instruction in reading comprehension, vocabulary, and reading skills for reading literary, informational, and functional texts.

Reading 8 A 4520 8 .5/1.0
Prerequisite: Instructor approval

This course, based on the 8th Grade Utah English Language Arts (ELA) Core Standards, is designed for students requiring basic instruction with targeted intervention in reading comprehension, vocabulary, and reading skills, to assist striving readers with literary, informational, and functional texts.

Reading 8 H 4522 8 .5/1.0
Prerequisite: Instructor approval

This course, based on the 8th Grade Utah English Language Arts (ELA) Core Standards, is designed for students who qualify for more advanced instruction in reading comprehension, vocabulary, and reading skills for reading above grade-level literary, informational, and functional texts.

Language Arts 9 4542 (LA) 9 1.0

This course, based on the 9th Grade Utah English Language Arts (ELA) Core Standards, is designed for grade level instruction in reading comprehension, writing, methods of inquiry, and the processes, skills, and strategies for effective communication.

Language Arts 9 H 4543 (LA) 9 1.0

Prerequisite: Instructor approval

This course, based on the 9th Grade Utah English Language Arts (ELA) Core Standards, is designed for students who qualify for more advanced instruction in reading comprehension, writing, methods of inquiry, and the processes, skills, and strategies for effective communication.

Journalism 1 4640 (E) 7- 9 .5/1.0

This course, based on Utah English Language Arts (ELA) Core Standards, is designed to introduce students to newspaper writing and reading, with interviewing, writing, and editing emphasized. Students will produce a class newspaper.

Creative Writing 1 4655 (E) 8, 9 .5

This course, based on Utah English Language Arts (ELA) Core Writing Standards, is designed to introduce students to imaginative composition with the writing of personal experiences, character sketches, short fiction, and poetry. Students will have the opportunity to prepare manuscripts for publication, awards, and scholarships.

Speech 1 1640 (E) 8, 9 .5/1.0

This non-competitive course, based on Utah English Language Arts (ELA) Core Speaking/Listening Standards, emphasizes the fundamentals of effective oral communication including delivery, voice, gestures, and articulation. This course also covers interpersonal communication and group discussion techniques.

Debate 1 1645 (E) 8, 9 .5/1.0

This course, based on Utah English Language Arts (ELA) Core Speaking/Listening and Writing Standards, introduces students to debate, analysis, reasoning, delivery skills, organization, writing techniques, and research. The course also provides opportunities for impromptu speaking, original oratory, extemporaneous speaking, Lincoln-Douglas debate, and student congress.

MATHEMATICS

(Refer to the chart on Page 8 for the credit requirements and approved pathways/courses)

Mathematics Lab 5174 (E) 7-9 .5/1.0

This is a course designed to give students additional time to study mathematical concepts.

7th Grade Mathematics 5200 7 1.0

In 7th Grade Mathematics students will focus on developing understanding of and applying proportional relationships; developing understanding of operations with rational numbers and working with expressions and linear equations; solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and drawing inferences about populations based on samples.

7th Grade Mathematics Honors 5201 7 1.0

In 7th Grade Mathematics Honors students will focus on developing understanding of and applying proportional relationships; developing understanding of operations with rational numbers and working with expressions and linear equations; solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and drawing inferences about populations based on samples. The Honors course includes extra depth and additional topics.

8th Grade Mathematics 5210 8 1.0

Prerequisite: 7th Grade Mathematics

In 8th Grade Mathematics students will focus on formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; grasping the concepts of a function and using functions to describe quantitative relationships; and analyzing two- and three dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean theorem.

8th Grade Mathematics Honors 5211 7, 8 1.0

Prerequisite: 7th Grade Mathematics

In 8th Grade Mathematics Honors students will focus on formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; grasping the concept of a function and using functions to describe quantitative relationships; and analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem. The Honors course includes extra depth and additional topics.

Supplemental Secondary Math 1 5330 (E) 9 .5/1.0

This course is designed for students who earned a D or below in 8th Grade Math. This course will review skills from 8th Grade Math, along with skills necessary for success in Secondary Mathematics 1. Students will be enrolled in Secondary Mathematics 1 concurrently with Supplemental Secondary Math1.

Secondary Mathematics 1 5300 (M) 8, 9 1.0

Prerequisite: 8th Grade Mathematics

Students in Secondary Mathematics 1 will deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomenon, and in part by applying linear models to data that exhibit a linear trend. Students will use properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge. Algebraic and geometric ideas are tied together. Students will experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problems situations.

Secondary Mathematics 1 H 5301 (M) 8, 9 1.0

Prerequisite: 8th Grade Mathematics

Students in Secondary Mathematics 1 Honors will deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomenon, and in part by applying linear models to data that exhibit a linear trend. Students will use properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge. Algebraic and geometric ideas are tied together. Students will experience mathematics as a coherent, useful, and logical subject that makes sense of problem situations. Honors students will represent quantities, model, and perform operations using vectors and use matrices to perform operations and solve problems.

Secondary Mathematics 2 5310 (M) 9 1.0

Prerequisite: Secondary Mathematics 1

Students in Secondary Mathematics 2 will focus on quadratic expressions, equations, and functions, extend the set of rational numbers to the set of complex numbers, link probability and data through conditional probability and counting methods, study similarity and right triangle trigonometry, and study circles with their quadratic algebraic representations.

Secondary Mathematics 2 H 5311 (M) 9 1.0

Prerequisite: Secondary Mathematics 1 Honors

Students in Secondary Mathematics 2 Honors will focus on quadratic expressions, equations, and functions, extend the set of rational numbers to the set of complex numbers, link probability and data through conditional probability and counting methods, study similarity and right triangle trigonometry, and study circles with their quadratic algebraic representations. Honors students will also represent complex numbers and their operations on the complex plane, solve systems of equations, prove and apply trigonometric identities, express conic sections algebraically, and solve problems using volume measurements.

SOCIAL STUDIES

Utah Studies 7 6000 7 .5/1.0

This course is designed to help students understand Utah's present history, particularly emphasizing the periods of time in Utah from statehood to the present. Students will review the interaction between Utah's geography and its inhabitants, the formative contributions of Native Americans, explorers, and Utah pioneers, the relationships between government and the people of Utah, the many opportunities people have to make a living in Utah, the diverse nature of Utah's people and cultures, and the impact of contemporary events on the land and people of Utah. The Utah Studies Core is designed to meet the needs of a semester-length course. Full-year Utah Studies courses may expand the scope and detail of this course to meet specific needs.

U.S. History 8 6011 8 1.0

This course covers events and issues from the Age of Exploration through post-Civil War Reconstruction and the Westward movement, emphasizing the 18th and 19th centuries. Topics covered will include, but are not limited to exploration, colonization, the Revolutionary War, Constitutional issues, nation building, the Civil War, Reconstruction, and the Westward movement.

U.S. History 8 H 6013 8 1.0

Prerequisite: Instructor approval

This course is designed for the above-average student who is capable of a challenge. The course emphasizes historic events from the Age of Exploration to post-Civil War Reconstruction and the Westward movement. Students will develop their observation, writing, reading, speaking, listening and other skills as they examine exploration, colonization, the Revolutionary War, Constitutional issues, the Civil War, Reconstruction, and the Westward movement.

Geography for Life 6021 (GFL) 9 1.0

This course introduces students to cultural and physical geography. The framework of this course is the five themes of geography—location; place; human interaction with the physical environment; the impact of movements of people, ideas, and things; and similarities and differences within and between regions. In addition, the course emphasizes critical, causal, interpretive and reflective thinking skills through observing, reading, writing, listening, speaking, and problem solving.

<u>Geography for Life H</u>	6022	(GFL)	9	1.0
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Prerequisite: Instructor approval

This course introduces students to cultural and physical geography. The framework of this course is the five themes of geography—location; place; human interaction with the physical environment; the impact of movements of people, ideas and things; and similarities and differences within and between regions. In addition, the course emphasizes critical, causal, interpretive and reflective thinking skills through observing, reading, writing, listening, speaking, and problem solving. This course emphasizes in-depth reading, writing and independent study.

<u>Human Geography AP</u>	6126	(GFL)	9	1.0
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Prerequisite: Instructor approval

This college level course covers the nature and perspectives of geography, population, cultural patterns and processes, political organization of space, agricultural and rural land use, industrialization and economic development, and cities and urban land use. University credit can be earned with a successful performance on the Advanced Placement (AP) exam.

HEALTHY LIFESTYLES

(Refer to the chart on Page 9 for the credit requirements and approved courses)

<u>Health 1</u>	7000		7, 8	.5
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This course develops the skills needed to improve the quality of life by helping students to cope with and solve problems, develop positive self-image, and make healthy decisions. The students will explore positive life styles, disease prevention, emergency procedures, media literacy, and alcohol and drug abuse prevention.

<u>Fitness 7</u>	7010		7	.5/1.0
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This is a physical education course with emphasis on skill development, basic knowledge, and participation in a variety of games, sports, and fitness conditioning.

<u>Fitness 8</u>	7011		8	.5/1.0
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This is a physical education course with emphasis on skills, knowledge, and participation in a variety of team sports, conditioning, and recreational activities.

<u>Participation Skills and Techniques</u>	7030	(PST)	9	.5
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This course is designed to develop skills and techniques in a variety of team and individual sports, as well as improvement in personal fitness. This class is required for graduation.

<u>Team Sports</u>	7110	(IFA)	8, 9	.5
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This course is designed to teach sports which require group participation and cooperation. (This class cannot be substituted for Participation Skills and Techniques).

CAREER AND TECHNICAL EDUCATION

A lab fee may be required.

<u>CTE Intro 1</u>	8000.1		7	.25
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CTE is Utah's exploratory Career and Technical Education Core Curriculum requirement for middle/junior high school. The purpose of this program is to allow students to be involved in activity-centered lessons, which utilize technology, develop beginning skills, and explore careers.

<u>CTE Intro 2</u>	8000.2		7	.25
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CTE is Utah's exploratory Career and Technical Education Core Curriculum requirement for middle/junior high school. The purpose of this program is to allow students to be involved in activity-centered lessons, which utilize technology, develop beginning skills, and explore careers.

<u>CTE Intro 3</u>	8000.3		7	.25
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CTE is Utah's exploratory Career and Technical Education Core Curriculum requirement for middle/junior high school. The purpose of this program is to allow students to be involved in activity-centered lessons, which utilize technology, develop beginning skills, and explore careers.

<u>CTE Intro 4</u>	8000.4		7	.25
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CTE is Utah's exploratory Career and Technical Education Core Curriculum requirement for middle/junior high school. The purpose of this program is to allow students to be involved in activity-centered lessons, which utilize technology, develop beginning skills, and explore careers.

<u>Keyboarding</u>	8313		7, 8	.5
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In this beginning semester keyboarding course, the student will master touch operation on a typewriter or microcomputer keyboard. Correct fingering by touch operation and good techniques will receive primary emphasis; speed and accuracy will be given secondary emphasis. The student will learn to format simple reports, personal and business letters, and tables. The acquisition of business communication skills will be integrated throughout the course.

<u>Computer Technology 1</u>	8311	(CT)	9	.5
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This is an introduction to computer application software that encompasses document processing, spreadsheets, and presentations. An understanding of ethics and use of operating systems, information resources, and electronic mail is included. Skills gained will be demonstrated by creating a project for a different content area. *This course is required to fill the Computer Technology credit.*

<u>Exploring Computer Science</u>	9180	(CTE)	9	.5
This course is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning particular software tools or programming languages, the course is designed to focus the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of the course is to develop in students the computational thinking practices of algorithm development, problem solving, and programming with the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers as well as societal and ethical issues.				
<u>Introduction to Marketing</u>	8348	(CTE)	9	.5
This is a basic introductory course which will teach concepts of entry-level marketing. The student in Marketing will learn about marketing education, discovering marketing, assessing his/her role as an employee, examining career opportunities in marketing, obtaining interpersonal skills needed in marketing, determining communication fundamentals, and matching himself/herself with career opportunities.				
<u>FACS Exploration</u>	8706		8	.5/1.0
This Family and Consumer Science course provides students with essential life skills. The course allows students to develop skills in two or more of the following areas: food and nutrition, childcare and safety, interior design and care of a home, clothing construction and style, consumerism, family relationships, personal responsibility, and job-related skills. (Local schools can determine the areas of emphasis from the above curricula where multiple sections may be offered).				
<u>Child Development</u>	8700	(CTE)	9	.5/1.0
This course covers the development of a child from conception through adolescence. The course includes the following topics: reproductive tracts, pre-natal development and care, healthy lifestyles conducive to healthy pregnancies, birth defects, and the development and care of children throughout childhood. Guidance and discipline techniques and the physical, social, and emotional development of children will also be examined. The student learns both how and why a child grows and develops. This class is a prerequisite for any of the higher-level child development courses.				
<u>Teen Living</u>	8030	(CTE)	9	.5/1.0
This course is designed to help students understand and cope with personal, family, and social challenges. Emphasis is placed on communication, decision-making skills, and building stable relationships with family and peers. The course enables students to implement positive coping mechanisms and promotes an understanding of self. Critical issues which impact teenagers including: self-concept, family and peer relationships, abuse, loss, dating, and teenage pregnancy are discussed stressing positive alternatives. Emphasis is placed on students taking personal responsibility for their lives.				
<u>Clothing 1</u>	8725	(CTE)	9	.5/1.0
This course teaches basic construction and consumer skills. Choosing and using patterns, fabrics, and notions; using and caring for today's sewing machines and sergers; and basic clothing construction methods are included. Students may choose from a variety of projects based on individual skill level and preference.				
<u>Clothing 2</u>	8726	(CTE)	9	.5/1.0
<i>Prerequisite: Clothing 1</i>				
This course expands and builds upon skills learned in Clothing I or Sports Sewing. Units of study may include: walking shorts, skirts, shirts, construction serging, and quick and easy techniques using the sewing machines. Projects are chosen based on individual skill level and preferences.				
<u>Sports Sewing 1</u>	8728	(CTE)	9	.5/1.0
This course covers basic sewing skills while completing a variety of projects. This course emphasizes the construction of sports and outdoor clothing. Students start with easy projects like sewing boxer shorts and progress to ski wear, sweats, zippered bags, camo shirts, pants, and polar fleece jackets. Subjects such as: clothing care, maintenance and textile information is covered. Projects are individually selected.				
<u>Fashion Strategies</u>	8730	(CTE)	9	.5/1.0
This course prepares individuals to assist in coordinating garments for various occasions. Units of instruction include analyzing fashion trends, basic characteristics of styles, fashion design and merchandising practice; describing garment construction features, quality, and fiber content to customers; assessing durability and care of fabric and garments; selecting current fashion for figure types and fitting garments on customers; planning and presenting fashion shows; and developing fashion displays. The class includes the analysis of garments and accessory combinations to create pleasing designs with line, form, and fabrics.				
<u>Foods and Nutrition 1</u>	8750	(CTE)	9	.5/1.0
This introductory course is designed for students who are interested in understanding the principles of nutrition and in maintaining a healthy life-style. Attention will be given to selection and preparation of food and personal health and well-being.				
<u>Foods and Nutrition 2</u>	8751	(CTE)	9	.5/1.0
<i>Prerequisite: Foods and Nutrition 1</i>				
This course is designed for students who are interested in understanding the principles of nutrition and food preparation. Attention will be given to the selection and preparation of food and personal health. Food preparation techniques will be integrated throughout the course and related to all sections of study. Emphasis will be placed on preparing foods to create meals for families. Use of regional, ethnic, and foreign foods is strongly encouraged to increase cultural awareness and appreciation of diversity.				

Exploring Technology**8001****8****.5/1.0**

Exploring Technology is action-based course that introduces students to the technological systems of two or more of the following areas: energy-power technologies, information and communications technologies, transportation technologies, manufacturing technologies, and construction technologies. The course is designed around exploration in cooperative and individualized activities rather than project and skill development. (Local schools can determine the areas of emphasis from the above curricula where multiple sections may be offered).

Introduction to Engineering**8005****(CTE)****9****.5/1.0**

This course shows students how technology is used in engineering to solve everyday problems. The units excite and motivate students to use their imaginations and teach them to be creative and innovative, while gaining the skills they need to develop, produce and use products and services. Gateway to Technology-PLTW is an approved curriculum for this course. Units may include: Design and Modeling, The Magic of Electrons, The Science of Technology, Automation and Robotics, as well as Flight and Space.

Introduction to Manufacturing Technology 1**8045****(CTE)****9****.5/1.0**

This is a hands-on course that introduces students to changing raw materials into a finished product. Examples of these materials are, but are not limited to, woods, metals, and plastics. This course will also explore the many careers associated with the manufacturing process

Introduction to Manufacturing Technology 2**8048****(CTE)****9****.5/1.0**

Prerequisite: Introduction to Manufacturing Technology 1

This course is an extension of Introduction to Manufacturing Technology 1. Students will continue to explore the many careers associated with the manufacturing process.

ADVANCED LEARNER PLACEMENT FOR STUDENTS (ALPS) PROGRAM

The Jordan District ALPS Program is designed to provide greater depth and complexity, infuse creativity and critical thinking into the curriculum, and to provide appropriate learning experiences for the academically talented student. To enter the ALPS program, students must show evidence of advanced abilities through an assessment process. The courses listed below are specific to the ALPS program.

<u>Language Arts 7 GT</u>	4508		7	1.0
This course is a combination of English and reading on an honors level. (These combination classes follow course description for Language Arts 7 H and Reading 7 H.) The ALPS section is taught with an added emphasis on depth, complexity, creativity, and critical thinking.				
<u>Language Arts 8 GT</u>	4526		8	1.0
This course is designed for students who have been identified as requiring more advanced instruction in reading comprehension, writing, and methods of inquiry as found in the core. This course will focus on the processes, skills, and strategies for effective communication in all its forms. The ALPS section is taught with an added emphasis on depth, complexity, creativity, and critical thinking.				
<u>Language Arts 10 H</u>	4602	(LA)	9	1.0
This course is designed for students who qualify for more advanced instruction in reading comprehension, writing, and methods of inquiry as found in the core. This course will focus on the processes, skills, and strategies for effective communication in all its forms.				
<u>French 3 H</u>	4103	(E)	9	1.0
<i>Prerequisite: French 2 or French 2H</i>				
This is a course designed to cover advanced skills in listening, speaking, reading, and writing. The course content includes the development of more abstract vocabulary, simple literature, extemporaneous speaking and conversation, and guided composition. Students will develop an appreciation for the arts and culture of countries where the language is spoken.				
<u>Spanish 3 H</u>	4183	(E)	9	1.0
<i>Prerequisite: Spanish 2 or Spanish 2H</i>				
This is a course designed to teach advanced skills in listening, speaking, reading, and writing. The course content includes the development of more abstract vocabulary, simple literature, extemporaneous speaking and conversation, and guided composition. Students will develop an appreciation for the arts and cultures of countries in which the language is spoken.				
<u>Integrated Science 7 GT</u>	3050		7	.5/1.0
Seventh Grade Integrated Science focuses on the theme of "structure." Life, physical, and earth science contents are integrated in a core curriculum. The standards to be taught relate to matter, structure of earth's crust and interior, structure of cells and organisms, reproduction and heredity of organisms, and classification schemes. The ALPS section is taught with an added emphasis on depth, complexity, creativity, and critical thinking.				
<u>Integrated Science 8 GT</u>	3051		8	1.0
Eighth Grade Integrated Science focuses on the theme of "change." Physical, earth, and life science contents are integrated in the core curriculum. The standards to be taught relate to observations of chemical and physical change, changes in biological energy, forces, energy and motion, constructing machines, and changes in the Earth's crust and climate. The ALPS section is taught with an added emphasis on depth, complexity, creativity, and critical thinking.				
<u>Biology H</u>	3004	(BS)	9	1.0
This is a high school core science course stressing the scientific processes of living things. The biology core curriculum is based on a set of life science learning standards that all students are expected to know and be able to demonstrate upon completion of this course. The course is designed to emphasize problem solving and scientific reasoning. Students will learn the scientific processes related to life science. Learning activities are varied with an emphasis on student investigations in the field, laboratory, and in technical research. The ALPS section is taught with an added emphasis on depth, complexity, creativity, and critical thinking.				
<u>Utah Studies 7 GT</u>	6001		7	.5
This course is designed to help students understand Utah's present history, particularly emphasizing the periods of time in Utah from statehood to the present. Students will review the interaction between Utah's geography and its inhabitants, the formative contributions of Native Americans, explorers, and Utah pioneers, the relationships between government and the people of Utah, the many opportunities people have to make a living in Utah, the diverse nature of Utah's people and cultures, and the impact of contemporary events on the land and people of Utah. The Utah Studies Core is designed to meet the needs of a semester length course. The ALPS section is taught with an added emphasis on depth, complexity, creativity, and critical thinking.				
<u>U.S. History 8 GT</u>	6012		8	1.0
This course is designed for the above-average student who is capable of a challenge. The course emphasizes historic events from the Age of Exploration to post-Civil War Reconstruction and the Westward movement. Students will develop their observation, writing, reading, speaking, listening and other skills as they examine exploration, colonization, the Revolutionary War, Constitutional issues, the Civil War, Reconstruction, and the Westward movement. The ALPS section is taught with an added emphasis on depth, complexity, creativity, and critical thinking.				

	Language Arts	Foreign Language	Math	Science	Social Studies
7th Grade	Course 4508 Language Arts 7B GT	Course 4100 French 1 or Course 4180 Spanish 1	Determined by assessments and teacher recommendations.	Course 3050 Integrated Science 7- ALPS	Course 6001 Utah Studies GT
8th Grade	Course 4526 Language Arts 8 GT	Course 4101 French 2 or Course 4181 Spanish 2		Course 3051 Integrated Science 8 - ALPS	Course 6012 U.S. Studies GT
9th Grade	Course 4602 Language Arts 10 H	Course 4103 French 3 H or Course 4183 Spanish 3 H		Course 3004 Biology - ALPS	Course 6022 Geography for Life H Or Course 6126 Human Geography AP

Due to multiple options of enrichment and acceleration at the high school level, the ALPS program is not offered past 9th grade. The following graph outlines suggested course for students entering high school from the ALPS program.

	Language Arts	Foreign Language	Math	Science	Social Studies
10th Grade	Language Arts 11 H	Level 4 or Advanced Placement or Concurrent Enrollment	Determined by recommendations and student interest.	*	*
11th Grade	*	*		*	*
12th Grade	*	*		*	*

*Determined by students' interest and offerings at the high school as it relates to students' career and college readiness plans.

High School Course Offerings 10-12 Grades

FINANCIAL LITERACY

<u>Financial Literacy</u>	2200	(F)	11, 12	.5
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This course will prepare students for the choices and challenges of today's financial markets. A better understanding of personal finance will help students move into adulthood making more informed monetary decisions, realizing a greater potential for personal wealth, and fostering a stronger state and national economy. The class will focus on income, money management, spending and credit, saving and investing, consumer protection, and risk management.

<u>Adult Roles and Financial Literacy</u>	2210	(F, CTE)	11, 12	1.0
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This course prepares students to understand the nature, function, and significance of individual and family relationships integrated with general financial literacy. Topics include: decision-making to set and implement financial goals, values, communication skills, self-awareness, families, sources of income and the relationship between income and career preparation, crisis management, marriage preparation, marriage, money management, saving, investing, parenting, and retirement planning. Students who complete the entire course fulfill the General Financial Literacy graduation requirement. FCCLA may be an integral part of the course.

FINE ARTS

(Refer to the chart on Page 6 for the credit requirements and list of approved courses.)

VISUAL ARTS

A lab fee may be required.

<u>Art Foundations 1</u>	1026	(A)	10-12	.5
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This class is designed to provide an overview of visual arts while studying a broad variety of art tools and materials. With an emphasis on studio production, this course is designed to develop higher-level thinking, art-related technology skills, art criticism, art history, and aesthetics.

<u>Art Foundations 2</u>	1027	(A)	10-12	.5
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Prerequisite: Art Foundations 1
This class is designed to provide an overview and introduction to visual arts through studying a variety of art tools and materials. This course builds on Art Foundations 1 providing a more in-depth experience with fewer art forms. With an emphasis on studio production, this course is designed to develop higher-level thinking, art-related technology skill, art criticism, art history, and aesthetics.

<u>Printmaking 1</u>	1020	(A)	10-12	.5
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Prerequisite: Art Foundations 1 or 2
This course introduces fine art printmaking and focuses on beginning techniques, processes and materials. It explores the role of traditional and contemporary printmaking as a fine art medium. It also focuses on the development of personal and individual imagery, craftsmanship, the use of tools and materials, and printmaking terminology. The course includes intaglio printing and relief printing.

<u>Printmaking 2</u>	1021	(A)	10-12	.5
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Prerequisite: Printmaking 1
This course goes more in-depth with fine art printmaking and focuses on intermediate techniques, processes and materials. It further explores the role of traditional and contemporary printmaking as a fine art medium. It focuses on the further development of personal and individual imagery, craftsmanship, the use of tools and materials, and printmaking terminology. The course includes intaglio printing and relief printing.

<u>Advanced Studies Studio Art</u>	1060	(E)	10-12	.5/1.0
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Prerequisite: Instructor Approval
This course is designed for students who want to work individually with the aid of an art instructor. An opportunity is provided for students who need individual time to practice, design, and create visual art creations/projects.

<u>Ceramics 1</u>	1029	(A)	10-12	.5/1.0
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Ceramics develops basic skills in the creation of 3-D forms and pottery in clays. Techniques in hand building, wheel throwing, basic glazing, and firing are taught. With an emphasis on studio production, this course is designed to develop higher-level thinking and art-related technology skills. Some art criticism, art history, and aesthetics may be included.

<u>Ceramics 2</u>	1030	(A)	10-12	.5/1.0
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Prerequisite: Ceramics 1
This is an intermediate course that builds upon the concepts and skills learned in Ceramics 1. Students will then consistently produce quality pieces of ceramics.

<u>Ceramics 3</u>	1031	(A)	10-12	.5/1.0
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Prerequisite: Ceramics 2 and Instructor approval
This is an advanced course in ceramics. Students are directed to work on independent projects following a theme or pursuing particular problems of design or construction. The goal of the course is to create pieces for exhibition or portfolio purposes.

<u>Ceramics 4</u>	1032	(A)	10-12	.5/1.0
<i>Prerequisite: Ceramics 3 and Instructor approval</i>				
This is a self-directed course for outstanding college-bound students/artists who have completed Ceramics 1, 2, and 3.				
<u>Sculpture 1</u>	1033	(A)	10-12	.5
Sculpture is an overview of basic skills used to create 3-D works of art. Additive techniques using an armature and subtractive techniques will be taught. With an emphasis on studio production, this course is designed to develop higher-level thinking skills and art-related technology skills. Some art criticism, art history, and aesthetics may be included.				
<u>Sculpture 2</u>	1010	(A)	10-12	.5
<i>Prerequisite: Sculpture 1</i>				
This is an intermediate course that builds on the skills and concepts learned in Sculpture 1. The students will learn more in-depth techniques in the creation of sculpture. Students will learn finishing techniques and how to prepare a sculpture for casting or reproduction.				
<u>Studio Art: 3-D Design AP</u>	1012	(A)	11, 12	1.0
<i>Prerequisite: Instructor approval</i>				
This is a college level course that follows the Advanced Placement Program. This class focuses on sculpture or three-dimensional art. Compositional issues that involve the space surrounding the art object as well and the space it occupies will be taught. Additive and subtractive sculpture will be explored. University credit can be earned with a successful performance on the Advanced Placement (AP) portfolio.				
<u>Commercial Art/Electronic Media 1</u>	1034	(A)	10-12	.5
Commercial Art is an overview of traditional art media and new electronic art media used in modern communications as advertising design, illustration, graphics, and typography. With an emphasis on studio production, this course is designed to develop higher-level thinking, art-related technology skills, and strategies for communicating to selected audiences through art. Some art criticism, art history, and aesthetics may be included.				
<u>Commercial Art/Electronic Media 2</u>	1035	(A)	10-12	.5/1.0
<i>Prerequisite: Commercial Art 1 or Instructor approval</i>				
This is an intermediate course that builds upon the skills and concepts learned in Commercial Art 1. More in-depth studies in advertising design, illustration, and graphics are offered. Airbrush, computer, and traditional techniques are used to communicate ideas through art.				
<u>Advertising Production Art</u>	1041	(A)	10-12	.5/1.0
This course emphasizes poster, banner, and sign painting. Water base, oil base, and dye mediums will be used for the purpose of creating promotional materials.				
<u>3-D Design 1</u>	1042	(A)	10-12	.5
<i>Prerequisite: Art Foundations or Instructor approval</i>				
3-D Design provides an overview and introduction to fine crafts, their media, and the cultures they represent. Students will work with mixed media (macramé, batik, hooking, soft sculpture, wood carving, stained-glass, etc.) to create art objects that have a utilitarian purpose. With an emphasis on studio production, this course is designed to develop higher-level thinking skills and art-related technology skills. Some art criticism, art history, and aesthetics may be included.				
<u>3-D Design 2</u>	1043	(A)	10-12	.5
<i>Prerequisite: 3-D Design 1</i>				
This class builds on the concepts and skills taught in 3-D Design 1. This class provides more in-depth experiences with the craft materials and more complicated design issues. Creative solutions to functional problems are emphasized.				
<u>Art History AP</u>	1028	(A)	11, 12	1.0
<i>Prerequisite: Instructor approval</i>				
This is a year-long course that teaches the history and appreciation of great art works from the Western Art traditions. It starts with prehistoric works and ends with post-modern works. University credit can be earned with a successful performance on the Advanced Placement (AP) exam.				
<u>Drawing 1</u>	1044	(A)	10-12	.5
Drawing focuses on black and white or monochromatic rendering from life, pictures, masterworks, and imagination. With an emphasis on studio production, this course is designed to develop higher level thinking and art-related technology skills. Some experiences in art criticism, art history, and aesthetics may be included.				
<u>Drawing 2</u>	1045	(A)	10-12	.5
<i>Prerequisite: Drawing 1</i>				
This is an intermediate course in drawing that builds on the skills and concepts taught in Drawing 1. The use of value is emphasized. Atmospheric perspective and accurate shading are studied along with composition.				
<u>Drawing 3</u>	1013	(A)	11, 12	.5
<i>Prerequisite: Drawing 2</i>				
This is an advanced course in drawing. Students are directed to work on independent projects following a theme or pursuing particular problems of composition or rendering. The goal of the course is to create pieces for exhibition or portfolio purposes.				

<u>Studio Art: Drawing AP</u>	1014	(A)	11, 12	1.0/2.0
<i>Prerequisite: Instructor approval</i>				
This course follows the outline and requirements of the Advanced Placement program. It is a college-level course that includes painting, drawing, and mark making. University credit can be earned with a successful performance on the Advanced Placement (AP) portfolio.				
<u>Painting 1</u>	1046	(A)	10-12	.5/1.0
<i>Prerequisite: Drawing 1</i>				
This course includes wet and dry color media with processes such as transparent and opaque painting focusing on the operations of color. Techniques with color media and preparation of grounds and supports will be covered. With an emphasis on studio production, this course is designed to develop higher-level thinking skills and art-related technology skills. Some art criticism, art history, and aesthetics may be included.				
<u>Painting 2</u>	1047	(A)	10-12	.5/1.0
<i>Prerequisite: Painting 1</i>				
This is an intermediate course that builds on the skills and concepts learned in Painting 1. More complex techniques and processes are taught. Composition is emphasized as the student learns to make a clear visual statement in a painting.				
<u>Studio Art: 2-D Design AP</u>	1051	(A)	10-12	.5/1.0
<i>Prerequisite: Instructor approval</i>				
This class makes it possible for highly motivated students to do college-level work. Emphasis is on 2-dimensional design through various art forms. Students are asked to submit a portfolio of work for evaluation at the end of the school year. University credit can be earned with a successful performance on the Advanced Placement (AP) portfolio.				
<u>Lettering and Calligraphy 1</u>	1056	(A)	10-12	.5
This course covers ink pen and ink brush use in the creation and execution of various lettering styles. Design and layout are emphasized in the creation of a work of calligraphy.				
<u>Lettering and Calligraphy 2</u>	1057	(A)	10-12	.5
<i>Prerequisite: Lettering and Calligraphy 1</i>				
This course is a continuation of Calligraphy 1. More techniques with pen and brush are introduced along with more difficult lettering styles and alphabets. Original designs and layouts are encouraged.				
<u>Photography 1</u>	1058	(A)	10-12	.5
Photography includes the inventive use of light and photographic equipment to create art. This is a fundamental course covering camera mechanics, film types, lighting, and composition. Basic dark room procedures such as processing, contact printing, and enlarging are covered as well. With an emphasis on studio production, this course is designed to develop higher-level thinking skills and art-related technology skills. Some art criticism, art history, and aesthetics may be included.				
<u>Film Studies 1</u>	1651	(A)	10-12	.5
This class explores the art of film through the study of various aspects and styles of film. Students will critique films from various viewpoints and fulfill writing assignments with different critical approaches toward film. Students will view and analyze films and do class work and outside study of the elements of filmmaking and filmmakers.				
<u>Film Studies 2</u>	1652	(A)	11, 12	.5
<i>Prerequisite: Instructor approval</i>				
This class will be a follow-up of Film Studies 1. Students will have already been exposed to various aspects and critical approaches to film and will begin to put some practical experience into play. Students will further their study of film by exploring documentaries, film genres, foreign films, and extensive production aspects of films.				
<u>THEATRE</u>				
<u>Theatre 1</u>	1626	(A)	10-12	.5/1.0
This course is an introductory course in theatre which includes film analysis, improvisation, and the following competitive areas: dramatic and humorous interpretations, mono acting, scenes from plays, and pantomime.				
<u>Theatre 2</u>	1627	(A)	10-12	.5/1.0
<i>Prerequisite: Instructor approval</i>				
This advanced course in theatre introduces stage make-up and Shakespearean acting. Students are given the opportunity to participate in competitive events.				
<u>Theatre 3</u>	1628	(A)	11, 12	.5/1.0
<i>Prerequisite: Instructor approval</i>				
This course in theatre introduces theatre history, audition skills, and playwriting. Advanced competitive techniques are emphasized.				
<u>Theatre 4</u>	1629	(A)	12	.5/1.0
<i>Prerequisite: Instructor approval/Audition</i>				
This course is an advanced seminar in theatrical studies emphasizing play production, career skills, and directing.				
<u>Stage Technology</u>	1630	(A)	10-12	1.0
<i>Prerequisite: Instructor approval</i>				
This course provides an overview and experience of the technical phases of theatre including lighting, sound, and management.				

<u>Theatre Design and Construction</u>	1631	(A)	10-12	.5/1.0
This course teaches scenery construction, scenery painting, and all other aspects of production for school musicals and plays.				
<u>Musical Theatre</u>	1632	(E)	11, 12	1.0
This is a performing arts elective course focusing on musical theatre productions.				

DANCE

<u>Aerobics</u>	7124	(IFA)	10-12	.5
This course is designed to help individuals become physically fit and trim through continuous movement activities coordinated with music.				

<u>Dance 1</u>	7140	(A, IFA)	10-12	5/1.0
This course offers instruction in the basic fundamentals of dance techniques and composition. Performances outside of the regular school day may be required, and they will constitute a portion of the course grade.				

<u>Dance 2</u>	7141	(A, IFA)	10-12	.5/1.0
<i>Prerequisite: Dance 1 or Instructor approval</i>				
This intermediate course emphasizes techniques, choreography, and improvisation. Performances outside of the regular school day may be required, and they will constitute a portion of the course grade.				

<u>Dance 3</u>	7142	(A, IFA)	10-12	5/1.0
<i>Prerequisite: Dance 2 or Instructor approval</i>				
This advanced course teaches dance technique with further development of skills in choreography and composition.				

<u>Dance Company</u>	7143	(A, IFA)	10-12	.5/1.0
<i>Prerequisite: Auditions</i>				
This course emphasizes the development of a performing group. Members develop skills in all forms of dance and choreography. Students perform for the school and community. Performances, as well as rehearsals outside of the regular school day are required and constitute a portion of the course grade.				

<u>Social/Ballroom Dance 1</u>	7144	(A, IFA)	10-12	.5/1-0
This course offers instruction and practice in the social dance steps, rhythms, and techniques. The following dances may be included: foxtrot, cha-cha, waltz, swing, mambo, western swing, and western line dance. Performances and rehearsals outside of the regular school day are required and will constitute a portion of the course grade.				

<u>Social/Ballroom Dance 2</u>	7145	(A, IFA)	10-12	.5/1.0
<i>Prerequisite: Ballroom Dance 1 or instructor approval</i>				
This intermediate course offers instruction and practice in intermediate ballroom dance steps, rhythms and techniques. Performances as well as rehearsals outside the school day are required and will constitute a portion of the course grade.				

<u>Social/Ballroom Dance 3</u>	7150	(A, IFA)	10-12	.5
<i>Prerequisite: Ballroom Dance 2 or instructor approval</i>				
This course offers further study and more in-depth work with the elements of design, dance choreography, and technique. Along with expanding the student's repertoire in various dance styles, students will also be required to choreograph and perform as a group. Students will also review the work of other performers and learn how to analyze the purpose and meaning in a dance piece as well as give constructive feedback.				

<u>Social/Ballroom Performing 3</u>	7151	(A, IFA)	10-12	.5
<i>Prerequisite: Audition or instructor approval</i>				
This course offers advanced instruction in the elements of design, dance, choreography, and technique (ballroom and other forms) with an emphasis in performance. This course expands the student's experience with critical thinking and learning how to artistically infuse concepts like historical and cultural contexts within their performance. Students are expected to work as team members and manifest a higher level of technique and artistry in their performance. This course offers a strong focus on self/group analysis, creativity and what it means to be a responsible partner and performer; as well as the steps necessary in preparing an actual dance performance.				

<u>Hip Hop 1</u>	7155	(A, IFA)	10-12	.5
Through the implementation of the state core curriculum, students are taught technique, elements of dance, and the choreographic process. Students are required to meet performance based assessments, self-evaluations, peer evaluations, teacher evaluations, and visual data collection standards. They are also taught the history and culture behind each dance form and use this knowledge to apply historical impact to their dancing.				

<u>Hip Hop 2</u>		(A, IFA)	10-12	.5
<i>Prerequisite: Hip Hop 1</i>				
In this course, students have experiences that deepen their understanding and implementation of the core curriculum and previous learning in Hip Hop 1. Higher level technique skills are implemented.				

MUSIC

A participation fee or instrument rental may be required.

<u>Music Independent Study</u>	1328	(E)	10-12	.5/1.0
<i>Prerequisite: Instructor approval</i>				
This course is designed for students who want to practice individually with the aid of a music instructor. An opportunity is provided for students to practice for private lessons, solos, ensembles, and for performing groups.				
<u>Music Theory AP</u>	1329	(A)	11, 12	1.0
<i>Prerequisite: Instructor approval/May require a workbook</i>				
This course is designed for students who are college-oriented and choose to participate in the Advanced Placement (AP) program. Elements include music theory, history, composition, and analysis. University credit can be earned with a successful performance on the (AP) exam.				
<u>Guitar 1</u>	1330	(A)	10-12	.5
<i>May require a workbook and/or CD</i>				
This course provides opportunities for students to develop their musical potential and aesthetic understanding through learning to play a guitar. Emphasis will be placed on playing position, tone production, fundamental technique, simultaneous playing and singing, reading music, and composing songs/lyrics. Knowledge and skills will include experiences in singing, playing, listening, and connecting to cultures. Instrument required.				
<u>Guitar 2</u>	1331	(A)	10-12	.5/1.0
<i>Prerequisite: Guitar 1 or equivalent/May require a workbook and/or CD</i>				
This course is designed to provide guitar students with more advanced strums, bar chords, and melodic playing. Instrument required.				
<u>Guitar 3</u>	1338	(A)	10-12	.5/1.0
<i>Prerequisite: Audition/Interview</i>				
This advanced course focuses on varied, advanced-level music. Guitar ensemble music will be rehearsed in a group or "choir" setting. Different genres of music will be studied, including classical, jazz, modern contemporary, reggae, and rock. Rehearsals and performances outside of class time are part of the course requirement and constitute a portion of the grade. Instrument required.				
<u>Vocal Technique 1</u>	1340	(A)	10-12	.5
This course is for singers who are not interested in participating in choir performances but who would like to improve their own singing technique. Students will participate in group voice lessons. They will also have practice to work on solo material and receive individual instruction. Students will perform their solo material for other class members. The focus will be on a helping students develop a healthy singing style.				
<u>Vocal Technique 2</u>	1341	(A)	10-12	.5
<i>Prerequisite: Audition/Interview</i>				
This course is for students who have some experience singing but who are not interested in participating in choir performances. However, they are interested in improving their vocal technique with the help of a qualified vocal coach. Students will receive group instruction and have individual practice time to work on solo materials. Students will perform for and be critiqued by other class members. A variety of vocal styles will be explored.				
<u>Choir 1 Tenor/Bass</u>	1332	(A)	10-12	.5/1.0
This music course is open to all students with a vocal range of tenor or bass. Ability to match pitch may be helpful. Two, three, and four-part music is performed at various concerts. Primary consideration is given to part-singing, good vocal production, and the rudiments of music. Rehearsals and performances outside of the class time are part of the course requirement and constitute a portion of the grade.				
<u>Choir 1 Soprano/Alto</u>	1333	(A)	10-12	.5/1.0
This music course is open to all students with a vocal range of soprano or alto. Two, three, and four-part music is performed at various concerts. Primary consideration is given to part-singing, good vocal production, and rudiments of music. Rehearsals and performances outside of class time are part of the course requirement and constitute a portion of the grade.				
<u>Mixed Choir</u>	1334	(A)	10-12	1.0
<i>Prerequisite: Instructor Approval</i>				
This vocal music course covers three and four-part music and a review of singing fundamentals. Approval of the instructor may be required. Rehearsals and performances outside of class time are part of the course requirement and constitute a portion of the grade.				
<u>Concert Choir</u>	1335	(A)	10-12	1.0
<i>Prerequisite: Audition</i>				
This course is designed to help students gain more experience and understanding of choral music, as well as to increase their techniques of singing by learning and performing more challenging choral literature. Rehearsals and performances outside of class time are part of the course requirement and constitute a portion of the grade.				

<u>Vocal Ensemble (Madrigals)</u>	1336	(A)	10-12	1.0
<i>Prerequisite: Audition</i>				
This course is composed of a select group of experienced and knowledgeable singers. Emphasis is on performance and choral literature. Rehearsals and performances outside of class time are part of the course requirement and constitute a portion of the grade.				
<u>Bell Choir</u>	1337	(A)	10-12	1.0
<i>Prerequisite: Instructor approval</i>				
This course is designed to teach the coordination and performance of the English hand bells. Knowledge of music (i.e., note values and note names) is preferred, but not required. Rehearsals and performances outside of class time are part of the course requirement and constitute a portion of the grade.				
<u>Concert Band</u>	1346	(A)	10-12	1.0
<i>Prerequisite: Audition/Interview</i>				
This intermediate-level band course encourages increased technical and expressive musical proficiency through performance and the study of music. Marching band may be part of the course requirement during marching season. Rehearsals and performances outside of class time are part of the course requirement and constitute a portion of the grade. If available, an oboe, bass clarinet, bassoon, tenor saxophone, baritone saxophone, French horn, baritone horn, euphonium, or tuba may be rented at the school for a nominal fee.				
<u>Orchestra</u>	1347	(A)	10-12	1.0
This course is designed to assist individuals interested in playing a violin, viola, cello, or string bass. Students work in group situations suitable to their ability. Emphasis is on growth in technical proficiency, orchestral literature, and performance. Rehearsals and performances outside of class time are part of the course requirement and constitute a portion of the grade.				
<u>Jazz Band</u>	1348	(A)	10-12	1.0
<i>Prerequisite: Audition/Membership in Concert or Symphonic Band may be required</i>				
This course is open to students whose interests are in performing jazz, rock, Latin and related music literature. The group is designed to provide fundamental knowledge of this music through performance. Rehearsals and performances outside of class time are part of the course requirement and constitute a portion of the grade.				
<u>Symphonic Band</u>	1349	(A)	10-12	1.0
<i>Prerequisite: Audition/Interview</i>				
This advanced course performs varied, advanced-level music. Marching band may be part of the course requirement during marching season. Rehearsals and performances outside of class time are part of the course requirement and constitute a portion of the grade. If available, an oboe, bass clarinet, bassoon, tenor saxophone, baritone saxophone, French horn, baritone horn, euphonium, or tuba may be rented at the school for a nominal fee.				
<u>Marching Band-Large Ensemble</u>	1350	(A)	10-12	.5/1.0
<i>Prerequisite: Concert/Symphonic Band or Percussion Ensemble membership may be required</i>				
This course is designed for students who will perform music at field shows, football games, parades, festivals, and competitions.				
<u>Marching Band Auxiliary</u>	1351	(E)	10-12	.5/1.0
This course is designed for students who wish to perform, using flags and other props, with the high school marching band. Emphasis is on growth and technical skill. Rehearsals and performances outside of class time are part of the course requirements and constitute a portion of the grade. Audition may be required.				
<u>Percussion Ensemble</u>	1352	(A)	10-12	.5/1.0
This course is designed for students to perform as a percussion ensemble as well as possibly performing with concert band, marching band, symphonic band, and in pep band activities. Students with drum or mallet percussion experience (i.e., marimba, xylophone, and bells) are encouraged to improve their skills in a large-group setting. Rehearsals and performances outside of class time are part of the course requirement and constitute a portion of the grade.				
<u>Music Composition (MIDI)</u>	1353	(A)	10-12	.5
<i>Prerequisite: Instructor approval</i>				
This is an individualized semester course in the use of technology in music. The class will focus on electronic sequencing (multi-track recording), and computer-assisted music writing. This is a hands-on course in the use of MIDI (Musical Instrument Digital Interface). Students need basic skills in piano, computer, reading, and understanding musical notation and symbols.				
<u>American Music of the 20th Century</u>	1354	(A)	10-12	.5
This course will study the history of popular music in America, from pre-rock influence, such as rag-time and blues, through today's multi-billion dollar music industry. Students will be asked to think critically about the influence that popular music has had on American culture, politics, and society throughout the second half of the 20 th century. The class will focus on music from specific geographical regions, major record labels, specific genres of popular music, and important historical events. This is an academic class. No musical training or background is required.				

SCIENCE

(Refer to the chart on Page 7 for the credit requirements and list of approved courses.)

<u>Biology (Foundation/Core)</u>	3111	(BS)	10-12	1.0
The Biology Core includes three major concepts for instruction. (1) The structures in all living things occur as a result of necessary functions. (2) Interactions of organisms in an environment are determined by the biotic and abiotic components of the environment. (3) Evolution of species occurs over time and is related to the environment in which the species live.				
<u>Biology H (Foundation/Core)</u>	3004	(BS)	10-12	1.0
<i>Prerequisite: Instructor approval</i>				
The Biology Core includes three major concepts for instruction. (1) The structures in all living things occur as a result of necessary functions. (2) Interactions of organisms in an environment are determined by the biotic and abiotic components of the environment. (3) Evolution of species occurs over time and is related to the environment in which the species live. Students will be expected to design investigations in the laboratory and field using research technologies.				
<u>Biology AP (Foundation/Core)</u>	3112	(BS)	10-12	1.0
<i>Prerequisite: Biology</i>				
This is a full-year introductory college course in biology with laboratory. The major content areas are molecules and cells; heredity and evolution; and organisms and populations. University credit can be earned with a successful performance on the Advanced Placement AP Biology exam.				
<u>Biology Lab AP</u>	3180	(E)	10-12	1.0
This is an advanced laboratory course which is designed reinforce and apply the theoretical concepts learned in an Advanced Placement (AP) Biology course.				
<u>Biology-Agricultural Science (Foundation/Core)</u>	8207	(CTE, BS)	10-12	1.0
This course covers biology with an agricultural emphasis. Students who have already taken a biology course will repeat much of what they have learned such as the structure of cells, how genetic information is passed on, biological diversity, the process of evolution, and how organisms interact with their environment. Students learn how to apply this information in plants and animals through laboratory activities. Students will explore recent advances in biotechnology (genetics, embryos, etc.) that are being used in agriculture and other biology related sciences. Participation in the FFA youth leadership organization may be an integral part of this course.				
<u>Chemistry (Foundation/Core)</u>	3121	(CS)	10-12	1.0
This course is organized around major concepts of matter, structure, energy, and change. The concepts, principles and laws that describe the conservation of matter, changes in the structure of matter, and changes in energy will provide a framework for this course. Chemistry students should design and perform experiments, and value inquiry as the fundamental scientific process.				
<u>Chemistry H (Foundation/Core)</u>	3122	(CS)	10-12	1.0
<i>Prerequisite or Co-requisite: Secondary Mathematics 3</i>				
This course is organized around major concepts of matter, structure, energy, and change. Chemistry students should design and perform experiments and value inquiry as the fundamental scientific process. Honors Chemistry places more emphasis on understanding the core curriculum through the use of mathematics. It is recommended that students have completed or are enrolled in Secondary Mathematics 3.				
<u>Chemistry AP (Foundation/Core)</u>	3123	(CS)	11, 12	1.0
<i>Prerequisite: Chemistry and Instructor approval</i>				
Advanced Placement (AP) Chemistry is a full-year introductory college course. The study includes advanced theoretical and physical understanding of chemistry. University credit can be earned with a successful performance on the AP Chemistry exam.				
<u>Physics (Foundation/Core)</u>	3131	(PS)	10-12	1.0
The three major concepts included in the Physics Core are: (1) motion of objects, (2) forces acting on objects, and (3) energy. Physics students should design and perform experiments, and value inquiry as the fundamental scientific process.				
<u>Physics H (Foundation/Core)</u>	3134	(PS)	10-12	1.0
<i>Prerequisite: Secondary Mathematics 2</i>				
The three major concepts included in the Physics Core are: (1) motion of objects, (2) forces acting on objects, and (3) energy. Physics students should design and perform experiments, and value inquiry as the fundamental scientific process. Honors physics students will place more emphasis on using mathematics to address the core curriculum.				
<u>Physics 1 AP (Foundation/Core)</u>	3136	(PS)	10-12	1.0
<i>Prerequisite: Physics and Secondary Mathematics 2</i>				
This is a full-year, college-level course physics course. The topics for this course include introductory mechanics, waves, and electric fields and forces. University can be earned with a successful performance on the AP Physics exam.				
<u>Physics 2 AP (Foundation/Core)</u>	3137	(PS)	10-12	1.0
<i>Prerequisite: Physics and Secondary Mathematics 2</i>				
This is a full-year, college-level physics course. The topics for this course include advanced mechanics, light, optics, electric fields and forces, and fluids. University can be earned with a successful performance on the AP Physics exam.				

<u>Physics C AP (Foundation/Core)</u>	3135	(PS)	11, 12	1.0
<i>Prerequisite: Physics and CP Math or Pre-Calculus and AP Calculus AB or BC</i>				
This is an advanced college-level course in physics. Students should have taken an introductory physics course or AP Physics 1 or 2. Students should also have taken Secondary Mathematics 2, College Prep Math, or Pre-Calculus and be currently enrolled in AP Calculus AB or BC. The focus of Physics C AP is mechanics, electronics and magnetism. It is especially appropriate for students planning to enter careers in engineering or physical science. University credit can be earned with a successful performance on the (AP) exam.				
<u>Physics with Technology (Foundation/Core)</u>	8505	(CTE, PS)	10-12	1.0
<i>Prerequisite: Secondary Mathematics 1</i>				
The physics/electronics curriculum is divided into four major topics: matter, motion, energy, and circuits. The course emphasizes systems and the nature of science and helps students understand the close relationship between electronics and other sciences. Students will use advanced technology in this course to better understand physics.				
<u>Astronomy</u>	3141	(AAF-S)	11, 12	.5/1.0
This is a course that investigates space science, aeronautics, and biology. Various classroom and laboratory experiences provide students with an understanding of interrelationships between each of these areas.				
<u>Wildlife Biology</u>	3160	(AAF-S)	11, 12	.5/1.0
<i>Prerequisite: Biology or equivalent</i>				
This course is a hands-on comprehensive examination of North American wildlife. Students study a wide variety of local animal life, the management of those animals, and their habitats.				
<u>Genetics</u>	3164	(AAF-S)	11, 12	.5/1.0
This course focuses on understanding how traits are inherited and how DNA controls most aspects of cell behavior. DNA, pedigrees, environmental influences and cell function are studied.				
<u>Geology</u>	3165	(AAF-S)	11, 12	.5/1.0
The formation of Earth, its rocks and minerals, how they have changed and how they will continue to change are topics found in the study of geology. Plate tectonics, geologic history and landscape formation are examined.				
<u>Marine Biology and Oceanography</u>	3166	(AAF-S)	11, 12	.5/1.0
The study of the marine environment, living and non-living, will be studied in this course. Fish, marine mammals, the physical environment of the sea and environmental challenges facing the worlds' oceans are examined.				
<u>Field Science</u>	3140	(E)	11, 12	.25
Students will attend a summer science research-based course which features over-night camping in a natural area. Two days of class work will be followed by a 4-day outdoor experience that allows students to develop and test a hypothesis using scientific methods and equipment.				
<u>Human Anatomy/Physiology</u>	3170	(AAF-S)	11, 12	.5/1.0
This course provides activity-based instruction pertaining to the structures and functions of organ systems of the human body.				
<u>Zoology</u>	3163	(AAF-S)	11, 12	.5/1.0
Zoology is the study of the world of animals. Animal body structures, physiology, behaviors, habitats and classification are examined in this field of study.				

WORLD LANGUAGES

Please be aware that the 2nd year of a World Language no longer counts for Senior Language Arts credit.

<u>French 1</u>	4100	(E)	10-12	1.0
This course is designed to teach elementary skills in listening, speaking, reading, and spelling. The course content includes vocabulary for classroom and school subjects, foods, clothing, telling time, reading the calendar, weather, seasons, modes of transportation, and common locations. Students will develop an appreciation for the culture of the countries where the language is spoken.				
<u>French 2</u>	4101	(E)	10-12	1.0
<i>Prerequisite: French 1</i>				
This course is designed to teach intermediate skills in listening, speaking, reading, and writing. The course content includes further development of vocabulary of; dining, traveling, shopping, and personal feelings. Students will develop an appreciation for the culture of the countries where the language is spoken.				
<u>French 3 H</u>	4103	(Sr. LA)	10-12	1.0
<i>Prerequisite: French 2</i>				
This course is designed to teach advanced skills in listening, speaking, reading, and writing. The course content includes the development of more abstract vocabulary, simple literature, extemporaneous speaking and conversation, and guided composition. Students will develop an appreciation for the arts and culture of countries where the language is spoken.				
<u>French 4 H</u>	4106	(Sr. LA)	10-12	1.0
<i>Prerequisite: French 3 H</i>				
This course is designed for the continuation of the speaking, reading, and writing skills covered in French 3H. This course is for students who want to continue their language study but who are not ready for an advanced placement course.				

<u>French Language AP</u>	4104	(Sr. LA)	11, 12	1.0
<i>Prerequisite: French 3 H</i>				
This is an accelerated course designed as a review of grammar, guided and free composition, literature, and conversation skills. University credit can be earned with a successful performance on the Advanced Placement (AP) exam.				
<u>German 1</u>	4120	(E)	10-12	1.0
This course is designed to teach elementary skills in listening, speaking, reading, and spelling. The course content includes vocabulary for classroom and school subjects, foods, clothing, telling time, reading the calendar, weather, seasons, modes of transportation, and common locations. Students will develop an appreciation for the culture of the countries where the language is spoken.				
<u>German 2</u>	4121	(E)	10-12	1.0
<i>Prerequisite: German 1</i>				
This course is designed to teach intermediate skills in listening, speaking, reading, and writing. The course content includes further development of vocabulary of dining, traveling, shopping, and personal feelings. Students will develop an appreciation for the culture of the countries where the language is spoken.				
<u>German 3 H</u>	4123	(Sr. LA)	10-12	1.0
<i>Prerequisite: German 2</i>				
This course is designed to teach advanced skills in listening, speaking, reading, and writing. The course content includes the development of more abstract vocabulary, simple literature, extemporaneous speaking and conversation, and guided composition. Students will develop an appreciation for the arts and culture of countries where the language is spoken.				
<u>German 4 H</u>	4125	(Sr. LA)	10-12	1.0
<i>Prerequisite: German 3 H</i>				
This course is designed for the continuation of the speaking, reading, and writing skills covered in German 3H. This course is for students who want to continue their language study but who are not ready for an advanced placement course.				
<u>Latin 1</u>	4150	(E)	10-12	1.0
This course is designed to teach elementary skills in listening, speaking, reading, and spelling. The course content includes grammar and vocabulary work, concentrating on Latin roots that are the basis for modern English. Students will develop an appreciation for the arts and culture of countries whose languages originated from Latin.				
<u>Latin 2</u>	4151	(E)	10-12	1.0
<i>Prerequisite: Latin 1</i>				
This course is designed to teach intermediate skills in listening, speaking, reading, and writing. The course content includes further development of grammar, vocabulary, and etymological (word origin) skills. This course will also more heavily emphasize the grammatical details of the Latin language preparing the students to translate Latin texts. Students will develop an appreciation for the arts and culture of countries whose languages originated from Latin.				
<u>Latin 3H</u>	4152	(E)	10-12	1.0
<i>Prerequisite: Latin 2</i>				
This course is designed to teach advanced skills in listening, reading and writing. The course content includes the development of grammar, vocabulary, the translation of Latin texts, and guided composition. Students will develop an appreciation for elements in multiple languages that originated from Latin.				
<u>American Sign Language 1</u>	4170	(E)	10-12	1.0
<i>Prerequisite: Adequate English, reading and speaking skills; adequate vision</i>				
This course has been designed to give students an introduction to American Sign Language (ASL) and the deaf community. Students will learn basic sentence structures and common vocabulary. Students will learn appropriate cultural behaviors as well as study important people and events in deaf history and their impact on society. This course will be conducted predominantly in ASL, a deaf-friendly voice-off environment.				
<u>American Sign Language 2</u>	4171	(E)	11, 12	1.0
<i>Prerequisite: C+ or Better in American Sign Language 1</i>				
This course has been designed to continue students' use of American Sign Language (ASL) at an intermediate level. The focus shifts toward improving expressive skills and refining receptive skills. Students are expected to use appropriate cultural behaviors. Students will continue to learn about important people and events in deaf history and their impact on society. . This course will be conducted predominantly in ASL, a deaf-friendly voice-off environment.				
<u>American Sign Language 3 H</u>	4172	(Sr. LA)	12	1.0
<i>Prerequisite: B- or Better in American Sign Language 2</i>				
This course has been designed to integrate and refine both receptive and expressive features of American Sign Language (ASL). Students will use culturally appropriate behaviors. Students will use higher level thinking skills to increase their understanding of deaf culture as they make comparisons with other cultures in the world. This course will be conducted predominantly in ASL, a deaf-friendly voice-off environment.				
<u>Spanish 1</u>	4180	(E)	10-12	1.0
This course is designed to teach elementary skills in listening, speaking, reading, and spelling. The course content includes vocabulary for classroom and school subjects, foods, clothing, telling time, reading the calendar, weather, seasons, modes of transportation, and common locations. Students will develop an appreciation for the culture of the countries where the language is spoken.				

<u>Spanish 2</u>	4181	(E)	10-12	1.0
<i>Prerequisite: Spanish 1</i>				
This course is designed to teach intermediate skills in listening, speaking, reading, and writing. The course content includes further development of vocabulary of dining, traveling, shopping, and personal feelings. Students will develop an appreciation for the culture of the countries where the language is spoken.				
<u>Spanish 3 H</u>	4183	(Sr. LA)	10-12	1.0
<i>Prerequisite: Spanish 2</i>				
This course is designed to teach advanced skills in listening, speaking, reading, and writing. The course content includes the development of more abstract vocabulary, simple literature, extemporaneous speaking and conversation, and guided composition. Students will develop an appreciation for the arts and culture of countries where the language is spoken.				
<u>Spanish 4 H</u>	4186	(Sr. LA)	10-12	1.0
<i>Prerequisite: Spanish 3 H</i>				
This course is designed for the continuation of the speaking, reading, and writing skills covered in Spanish 3H. This course is for students who want to continue their language study but who are not ready for an advanced placement course.				
<u>Spanish Language AP</u>	4184	(Sr. LA)	11, 12	1.0
<i>Prerequisite: Spanish 3 H</i>				
This is an accelerated course designed as a review of grammar, guided and free composition, literature, and conversation skills. University credit can be earned with a successful performance on the Advanced Placement (AP) exam.				
<u>Spanish for Native Speakers 1</u>	4187	(E)	10-12	1.0
This course is designed to teach elementary academic skills in reading and writing for the native speaker. The course content includes further development of reading and writing skills for students who already have a grasp of the spoken language. Opportunities to share cultural information from countries where Spanish is spoken will be available to students.				
<u>Spanish for Native Speakers 2</u>	4188	(E)	10-12	1.0
<i>Prerequisite: Spanish for Native Speakers 1</i>				
This course is designed to cover intermediate skills in listening, speaking, reading, and writing. The course focus includes further development of reading and writing skills for students who already have a strong grasp of the spoken Spanish language.				
<u>Mandarin Chinese 1</u>	4191	(E)	10-12	1.0
This course is designed to introduce students to basic Chinese grammar and a set of vocabulary generally recognized as useful in everyday communication. Using integrated pedagogical and authentic materials, the course adopts a multi-faceted approach to help students gain training in listening, speaking, reading, and writing skills in standard Mandarin Chinese. The goal is the ability to communicate in everyday situations. Aspects of Chinese culture are also introduced.				
<u>Mandarin Chinese 2</u>	4192	(E)	10-12	1.0
<i>Prerequisite: Mandarin Chinese 1</i>				
This course is designed for students who are familiar with the Chinese language. They will be introduced to the principles behind the writing system (radicals and phonetics) as well as the written equivalents for the vocabulary they have learned to speak and understand. Using integrated pedagogical and authentic materials, the course adopts a multi-faceted approach to help students gain training in listening, speaking, reading, and writing skills in standard Mandarin Chinese. The goal is the ability to communicate in everyday situations. Aspects of Chinese culture are also introduced.				
<u>Mandarin Chinese 3 H</u>	4193	(Sr. LA)	10-12	1.0
<i>Prerequisite: Mandarin Chinese 2</i>				
This course is designed to teach advanced skills in listening, speaking, reading, and writing. The course content includes the development of more abstract vocabulary, simple literature, extemporaneous speaking and conversation, and guided composition. Students will develop an appreciation for the arts and culture of countries where the language is spoken.				
<u>Chinese Language and Culture AP</u>	4195	(E)	11, 12	1.0
<i>Prerequisite: Mandarin Chinese 3 H</i>				
The Chinese Language and Culture course is designed to be comparable to fourth semester college/university courses in Mandarin Chinese. This course prepares students to demonstrate their level of Chinese proficiency across the three communicative modes (Interpersonal, Interpretive, and Presentational) and the five goal area (Communication, Cultures, Connections, Comparisons, and Communities) as outlined in the <i>Standards for Foreign Language learning in the 21st Century</i> . Its aim is to provide students with ongoing and varied opportunities to further develop their proficiencies across the full range of language skills within a cultural frame of reference reflective of the richness of Chinese language and culture. University credit may be earned with a successful performance on the Advanced Placement (AP) exam.				

LANGUAGE ARTS

<u>Language Arts 10</u>	4601	(LA)	10	1.0
This course, based on the 10 th Grade Utah English Language Arts (ELA) Core Standards, is designed for grade-level instruction in reading comprehension, writing, methods of inquiry, and the processes, skills, and strategies for effective communication.				
<u>Language Arts 10 A</u>	4600	(LA)	10	1.0
<i>Prerequisite: Instructor approval</i>				
This course, based on the 10 th Grade Utah English Language Arts (ELA) Core Standards, is designed for students requiring basic instruction with targeted intervention in reading comprehension, writing, methods of inquiry, and the processes, skills, and strategies for effective communication.				

<u>Language Arts 10 H</u>	4602	(LA)	10	1.0
<i>Prerequisite: Instructor approval</i>				
This course, based on the 10 th Grade Utah English Language Arts (ELA) Core Standards, is designed for students who qualify for more advanced instruction in reading comprehension, writing, methods of inquiry, and the processes, skills, and strategies for effective communication.				
<u>Language Arts 11</u>	4611	(LA)	11	1.0
This course, based on the 11 th Grade Utah English Language Arts (ELA) Core Standards, is designed for grade-level instruction in reading comprehension, writing, methods of inquiry, and the processes, skills, and strategies for effective communication in, with an emphasis on American literary texts.				
<u>Language Arts 11 A</u>	4610	(LA)	11	1.0
<i>Prerequisite: Instructor approval</i>				
This course, based on the 11 th Grade Utah English Language Arts (ELA) Core Standards, is designed for students requiring basic instruction in reading comprehension, writing, methods of inquiry, and the processes, skills, and strategies for effective communication.				
<u>Language Arts 11 H</u>	4612	(LA)	11	1.0
<i>Prerequisite: Instructor approval</i>				
This course, based on the 11 th Grade Utah English Language Arts (ELA) Core Standards, is designed for students who qualify for more advanced instruction in reading comprehension, writing, methods of inquiry, and the processes, skills, and strategies for effective communication, with an emphasis on American literary texts. The course also prepares students for college entrance exams (e.g. ACT and SAT).				
<u>Language Arts 12</u>	4621	(Sr. LA)	12	1.0
This course, based on the 12 th Grade Utah English Language Arts (ELA) Core Standards, is designed for grade-level instruction in reading comprehension, writing, methods of inquiry, and the processes, skills, and strategies for effective communication, with an emphasis on British literary texts.				
<u>Language Arts 12 A</u>	4620	(Sr. LA)	12	1.0
<i>Prerequisite: Instructor approval</i>				
This course, based on the 12 th Grade Utah English Language Arts (ELA) Core Standards, is designed for students requiring basic instruction with targeted intervention in reading comprehension, writing, methods of inquiry, and the processes, skills, and strategies for effective communication.				
<u>Language Arts 12 CP</u>	4622	(Sr. LA)	12	1.0
<i>Prerequisite: Instructor approval</i>				
This course, based on Utah 12 th grade English Language Arts (ELA) Core Standards and College and Career Ready Standards, is designed for students who plan to attend college. The course stresses reading, vocabulary, writing, and analytical skills necessary for college success. The course content includes an introduction to British literature and experience in research.				
<u>English Language and Composition AP</u>	4631	(LA, Sr. LA)	11, 12	1.0
<i>Prerequisite: Instructor approval</i>				
This accelerated course, based on College and Career Ready Standards, is designed to increase students' abilities as skilled readers of prose in a variety of genres and emphasizes narrative, informative/explanatory, and argumentative writing. This is a good companion class to Advanced Placement (AP) US History. University credit can be earned with a successful performance on the Advanced Placement (AP) exam.				
<u>English Literature and Composition AP</u>	4630	(LA, Sr. LA)	11, 12	1.0
<i>Prerequisite: Instructor approval</i>				
This accelerated course, based on College and Career Ready Standards, is designed to increase students' abilities as skilled readers of literary text and poetry in a variety of genres. Students will critically read literature selections and write analytically about what they have read. The course emphasizes literary analysis of literature (fiction), informational texts (non-fiction), and poetry. University credit can be earned with a successful performance on the Advanced Placement (AP) exam.				
<u>Journalism 1</u>	4640	(E, Sr. LA)	10-12	.5
This semester course, based on the Utah English Language Arts (ELA) Core Standards, is designed to teach students about newspaper writing and reading with interviewing, writing, and editing emphasized. Students will produce a class newspaper.				
<u>School Newspaper Staff</u>	4642	(E, Sr. LA))	10-12	1.0
<i>Prerequisite: Journalism 1 and/or Instructor approval</i>				
This course, based on College and Career Ready Standards, is designed for students to publish the school newspaper and study past and current trends and issues in journalism.				
<u>Shakespeare</u>	4650	(E, Sr. LA)	11, 12	.5/1.0
This course, based on the Utah English Arts (ELA) Core Standards, is designed as an introduction to reading and studying the plays and sonnets of Shakespeare. The course explores universal themes, character development, literary interpretation, and culture. Students will write argumentative compositions in which they support arguments and refute counter arguments.				
<u>19th Century British Women Authors</u>	4660	(Sr. LA)	12	.5
This semester course, based on Utah English Arts (ELA) Core Standards, is designed to discuss the works of 19 th Century British women. It emphasizes the role of women in literature and history, the cultural and political climate of the day, the advent				

of the novel as a major change in traditional writings, and the process of understanding rich texts. Students enrolled in this class will participate in reading, writing, and presentations.

Mythology 1 **4651** **(E, Sr. LA)** **11, 12** **.5**

This is a survey course in mythological literature, based on the Utah English Arts (ELA) Core Standards, with plays and myths as the major emphasis. Cultural history, vocabulary building, and writing assignments are related to the course content. A research project is a course requirement.

Humanities **4652** **(E, Sr. LA)** **11, 12** **.5/1.0**

This course, based on Utah English Arts (ELA) Core Standards, is designed as an interdisciplinary study (art, music, history, literature, religions, and philosophy) of world cultures. Activities, field trips, and writing assignments are required parts of the course.

Creative Writing 1 **4655** **(E, Sr. LA)** **10-12** **.5**

This semester course, based on the Utah English Arts (ELA) Core Writing Standards, is designed as an introduction to imaginative writing of personal experiences, character sketches, short fiction, and poetry. It provides students with the opportunity to prepare manuscripts for publication, awards, and scholarships.

Creative Writing 2 **4656** **(E, Sr. LA)** **10-12** **1.0**

Prerequisite: Creative Writing 1

This course, based on the Utah English Arts (ELA) Core Writing Standards, is designed to emphasize imaginative writing through the study and writing of longer fiction, one-act plays, and poetry. Students will have the opportunity to prepare manuscripts for publication, awards, and scholarships.

Professional Reading and Writing: **4624** **(Sr. LA)** **12** **.5/1.0**

This course, based on the Utah English Arts (ELA) Core Speaking/Listening and Writing Standards, is designed to introduce students to technical and professional communication with application to problem solving. Students will identify objectives, analyze audiences, and produce oral and written communication within specialized genres to solve a problem. At all stages of the writing process, students will work in teams to research, plan, draft, edit, review and revise their documents. Ethics, cultural awareness, and civic responsibility will guide research and decision making throughout the course.

Literary Magazine Staff **4657** **(E, Sr. LA)** **11, 12** **1.0**

Prerequisite: Creating Writing 1

This course, based on the Utah English Arts (ELA) Core Writing Standards, is designed to publish the school literary magazine. Students have the opportunity to meet and discuss their work with professional writers.

Fantasy and Science Fiction-An Examination of Genre **4661** **(Sr. LA)** **12** **.5**

This course, based on the Utah English Arts (ELA) Core Standards, is designed for students who devour science fiction and fantasy in their spare time. The curriculum will include short stories, novels, plays, essays, and information texts. The goals of this course are to use science fiction and fantasy texts to increase reading and comprehension skills, broaden thinking and analysis skills, improve writing skills, and build a community of similar interests.

Contemporary Young Adult Literature **4662** **(E)** **10-12** **.5**

This course, based on the Utah English Arts (ELA) Core Standards, is designed for reading, discussing, and exploring young adult literature relative to the issues facing teenagers today. The course will include inquiry projects, peer collaborations and authentic writing opportunities.

Literature and Film **4701** **(E)** **11, 12** **.5/1.0**

This course, based on the Utah English Arts (ELA) Core Standards, is designed for students to read and analyze literary pieces and then explore how film enhances and/or detracts from the work. It focuses on class discussion and analysis of selected films.

Speech 1 **1640** **(E)** **10-12** **.5/1.0**

This non-competitive course, based on the Utah English Arts (ELA) Speaking/Listening Core Standards, emphasizes the fundamentals of effective oral communication including delivery, voice, gestures, and articulation. This course also covers interpersonal communication and group discussion techniques.

Speech 2 **1641** **(E)** **10-12** **.5/1.0**

Prerequisite: Speech 1 or Debate 1

This course, based on the Utah English Arts (ELA) Speaking/Listening Core Standards, is designed to provide advanced training in competitive speech. Students are trained in the areas of specialty for competition with the forensics and debate squads. Students are given opportunities to participate in major invitational, region, and state competitions.

Debate 1 **1645** **(E)** **10-12** **1.0**

This course, based on the Utah English Arts (ELA) Core Standards, is designed to introduce students to debate, analysis, reasoning, delivery skills, organization, writing techniques, research, and provides opportunities for impromptu speaking, original oratory, extemporaneous speaking, Lincoln-Douglas debate, and student congress.

Debate 2 **1646** **(Sr.LA)** **10-12** **1.0**

Prerequisite: Debate 1

This course, based on the Utah English Arts (ELA) Core Standards, is designed to provide an in-depth study of the areas introduced in Debate I. Students will have the opportunity to participate in competitive debate.

MATHEMATICS

(Refer to the chart on Page 8 for the credit requirements and approved pathways/courses)

Mathematical Decision Making for Life	5124	(AAF-M)	11, 12	1.0
<i>This course includes mathematical decision making in finance, modeling, probability and statistics. Throughout the course, students will make sense of authentic problems and persevere in solving them. They will reason abstractly and quantitatively while communicating mathematics to others. Students will use appropriate tools, including technology, to model mathematics. They will use structure and regularity of reasoning to describe mathematical situations and solve problems.</i>				
Modern Mathematics (formally Quantitative Analysis)	5125	(AAF-M)	11, 12	.5/1.0
<i>Prerequisite: Secondary Mathematics 2</i>				
This course is designed to help students gain an in-depth understanding of beginning algebra and geometry by engaging in problem solving with practical application problems that help students see their interrelatedness to arithmetic. Students will work in groups on projects and develop their abilities to calculate percentages and proportions perform unit conversions, solve equations, use formulas, and use calculators and other technology.				
College Prep Math	5126	(AAF-M)	11, 12	.5/1.0
<i>Prerequisite: Secondary Mathematics 3</i>				
Students will acquire the skills needed to be successful in Math 1050 (College Algebra). The focus of the course will be on analysis and use of functions. Emphasis will be given to collecting data to motivate the development of the analytical model of each function that will be studied.				
Mathematics of Personal Finance	5127	(AAF-M)	11, 12	.5/1.0
<i>Prerequisite: Secondary Mathematics 2</i>				
Mathematics of Personal and Business Finance will help students compute and make reasonable estimates, perform operations with real numbers, and identify meanings of variables in financial formulas. Students will collect and organize data in graphs of all kinds, calculate mean, median, mode and range, and use spread sheets to evaluate data.				
Pre-calculus	5131	(AAF-M)	10-12	1.0
<i>Prerequisite: Secondary Mathematics 3</i>				
Pre-calculus prepares students for advanced work in mathematics. Students will study advanced algebra and trigonometry.				
Mathematics Lab	5174	(E)	10-12	.5/1.0
A course designed to give students additional time to study mathematical concepts and receive extra tutorial help. Students will receive a pass/fail grade.				
Introductory Statistics (formally Introduction to Statistics)	5141	(AAF-M)	11, 12	.5/1.0
<i>Prerequisite: Secondary Mathematics 2</i>				
An introductory, non-calculus based course which exposes the students to the major concepts and tools for descriptive and inferential statistics. The course includes collecting, analyzing, characterizing and drawing conclusions from data. Studies will be planned and executed using double-blind, matched pairs and blocking designs. Probability will be covered in detail and its fundamental importance to statistics will be emphasized. Inferential statics will be introduced in context of real-life applications from medicine, manufacturing, sports performance, politics, business, health and physical science. The use of the statistical capabilities of graphing calculators will be taught.				
Secondary Mathematics 1	5300	(M)	10	1.0
<i>Prerequisite: 8th Grade Mathematics</i>				
Students in Secondary Mathematics 1 will deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomenon, and in part by applying linear models to data that exhibit a linear trend. Students will use properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge. Algebraic and geometric ideas are tied together. Students will experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problems situations.				
Supplemental Secondary Math 2	5331	(E)	10, 11	.5/1.0
This course is designed for students who earned a D or below in Secondary Math 1. This course will review skills from Secondary Mathematics 1, along with skills necessary for success in Secondary Mathematics 2. Students will be enrolled in Secondary Mathematics 2 concurrently with Supplemental Secondary Math 2				
Secondary Mathematics 2	5310	(M)	10, 11	1.0
<i>Prerequisite: Secondary Mathematics 1</i>				
Students in Secondary Mathematics 2 will focus on quadratic expressions, equations, and functions, extend the set of rational numbers to the set of complex numbers, link probability and data through conditional probability and counting methods, study similarity and right triangle trigonometry, and study circles with their quadratic algebraic representations.				
Secondary Mathematics 2 H	5311	(M)	10, 11	1.0
<i>Prerequisite: Secondary Mathematics 1 Honors</i>				
Students in Secondary Mathematics 2 Honors will focus on quadratic expressions, equations, and functions, extend the set of rational numbers to the set of complex numbers, link probability and data through conditional probability and counting methods, study similarity and right triangle trigonometry, and study circles with their quadratic algebraic representations. Honors students will also represent complex numbers and their operations on the complex plane, solve systems of equations, prove and apply trigonometric identities, express conic sections algebraically, and solve problems using volume measurements.				

Supplemental Secondary Math 3

5332

(E)

10-12

.5/1.0

This course is designed for students who earned a D or below in Secondary Math 2. This course will review skills from Secondary Mathematics 2, along with skills necessary for success in Secondary Mathematics 3. Students will be enrolled in Secondary Mathematics 3 concurrently with Supplemental Secondary Math 3

Secondary Mathematics 3

5320

(M)

10-12

1.0

Prerequisite: Secondary Mathematics 2

Students in Secondary Mathematics 3 will pull together and apply the accumulation of learning they have from previous courses. They will apply methods from probability and statistics to draw inferences and conclusions from data, expand their repertoire of functions to include polynomial, rational, and radical functions, expand their study of trigonometry to include general triangles, and use functions and geometry to create models and solve contextual problems.

Secondary Mathematics 3 H

5321

(M)

10-12

1.0

Prerequisite: Secondary Mathematics 2 Honors

Students in Secondary Mathematics 3 Honors will pull together and apply the accumulation of learning they have from previous courses. They will apply methods from probability and statistics to draw inferences and conclusions from data, expand their repertoire of functions to include polynomial, rational, and radical functions, expand their study of trigonometry to include general triangles, and use functions and geometry to create models and solve contextual problems. Honors students will also use logarithmic and trigonometric functions, build functions from existing functions, extend the domain of trigonometric functions using the unit circle, and prove trigonometric identities. Students completing Secondary Mathematics 1, 2, and 3 are prepared for Calculus.

MATHEMATICS - ADVANCED PLACEMENT**Calculus AB AP**

5135

(M)

10-12

1.0

Prerequisite: Mastery of Pre-calculus or Secondary Mathematics 3 Honors

This is an introduction to differential and integral calculus topics which are equivalent to a college level Calculus 1 course. The course uses advanced skills in algebra, geometry, and trigonometry to analyze real world problems involving movement and variable rates of change. Graphing calculator investigations are an integral part of the course and the Advanced Placement (AP) exam. University credit can be earned with a successful performance on the (AP) exam.

Calculus BC AP

5136

(M)

10-12

1.0

Prerequisite: Calculus AB

This course teaches the extension of the differential and integral calculus topics of Calculus AB, which are equivalent to two semesters of college level Calculus 1 and 2 courses. The course uses advanced skills in algebra, geometry, and trigonometry to analyze real world problems involving movement and variable rates of change. This course focuses on the application of calculus using vectors, parametric/polar modeling, and power series. Graphing calculator investigations are an integral part of the course and the Advanced Placement exam. University credit can be earned with a successful performance on the Advanced Placement (AP) exam.

Statistics AP

5140

(M)

11, 12

1.0

Prerequisite: Secondary Mathematics 3

An introductory, non-calculus based college level course which introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data, including exploring data, statistical inference, planning a study, and using probability and simulation to anticipate patterns. Graphing calculators with statistical capabilities are an integral part of the course and of the Advanced Placement (AP) exam. University credit can be earned with a successful performance on the (AP) exam.

SOCIAL STUDIES**World Civilizations**

6101

(WC)

10-12

1.0

This study of world civilizations emphasizes the increasing interrelationships over time of the world's peoples. These interrelationships have developed in two major arenas. First, the relationships have developed among major regions of the world: East Asia, Middle East, Africa, Europe, North America and Latin America. Second, they have developed within all aspects of human activity: political, economic, social, philosophical and religious, scientific and technological, and artistic.

World Civilizations H

6102

(WC)

10-12

1.0

Prerequisite: Instructor approval

This study of world civilizations emphasizes the increasing interrelationships over time of the world's peoples. These interrelationships have developed in two major arenas. First, the relationships have developed among major regions of the world: East Asia, South Asia, Middle East, Africa, Europe, North America and Latin America. Second, they have developed within all aspects of human activity: political, economic, social, philosophical and religious, scientific and technological, and artistic.

World History AP

6114

(WC)

10-12

1.0

Prerequisite: Instructor approval

This college-level course helps students develop a greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. Emphasis is placed in advanced study, research and analytical skills. The course covers the period from approximately 1000 C.E. to the present and focuses on Asia, Africa, Islam, and Latin America. University credit can be earned with a successful performance on the Advanced Placement (AP) exam. This course fulfills the core requirement for graduation.

<u>European History AP</u>	6103	(WC)	10-12	1.0
<i>Prerequisite: Instructor approval</i>				
This college-level course in European history is intended for the above average history student. Emphasis is placed on advanced study, research, and analytical skills. The course covers European history from 1450 C.E. to the present and focuses on intellectual-cultural, political-diplomatic, and social-economic history. University credit can be earned with a successful performance on the Advanced Placement (AP) exam. This course fulfills the core requirement for graduation.				
<u>World War II</u>	6106	(E)	11-12	0.5
This course will be a semester long course covering the causes, course, and results of World War II. The Holocaust, as well as aggression in Europe and Asia/Pacific will also be discussed. In addition, the long term effects of the war on the soldier, civilians, the economy and society will be explored.				
<u>U.S. Ethnic Studies</u>	6107	(E)	12	0.5
Ethnic studies are a conceptual study of race, diversity, and intolerance in the United States. It is an in-depth historical study of ethnic groups in the U.S. including: African American, Latino, Native American, Eastern European, Chinese, Japanese, S.E. Asian, and Middle Eastern refugees. The course also covers various religious organizations including: Judaism, Catholicism, Mormonism, Islam, Buddhism, and Hinduism.				
<u>European History: The Historian's Craft</u>	6108	(E)	10-12	0.5
This course allows students to study select European history topics of interest at an in-depth level through the use of film, music, primary source analysis, research, reading, simulation and direct instruction. Through this in-depth study, students will be prepared to complete a Senior Pathway Project of their choice in History.				
<u>United States History 2</u>	6111	(USH)	11	1.0
Understanding United States history is essential for the continuation of our republic. This course will help students make connections between their world and the rich heritage of United States history. The course is designed as a survey of American history with an emphasis on post-Reconstruction America (1876-present), but should include a review of the earlier period. The course may be taught using a thematic approach or in chronological order.				
<u>United States History H</u>	6112	(USH)	11	1.0
<i>Prerequisite: Instructor approval</i>				
Understanding United States history is essential for the continuation of our republic. This course will help students make connections between their world and the rich heritage of United States history. The course is designed as a survey of American history with an emphasis on post-Reconstruction America (1876-present), but should include a review of the earlier period. The course may be taught using a thematic approach or in chronological order. This is a college preparatory, intensive writing course that emphasizes more in-depth and independent study of topics in United States history.				
<u>US History AP</u>	6113	(USH)	11	1.0
<i>Prerequisite: Instructor approval</i>				
This course is a college-level course in American history from the period of the first European explorations of the Americas to the present. The course emphasizes political institutions and behavior, public policy, social and economic change, diplomacy and human relations, and cultural and intellectual developments. University credit can be earned with a successful performance on the Advanced Placement (AP) exam.				
<u>U.S. Government and Citizenship</u>	6128	(USGC)	11, 12	.5
The goal of this course is to foster informed, responsible participation in public life. Knowing how to be a good citizen is essential to the preservation and improvement of 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 recommended for seniors due to their proximity to voting and draft age. This course fulfills the core requirement for graduation.				
<u>American Government and Law</u>	6120	(E)	11	.5/1.0
This course will provide students with a general understanding of the governmental, political, and legal systems of the United States. Topics of study include the Constitution, political parties, voting, and national, state, and local government structure and function.				
<u>Government and Politics: American AP</u>	6124	(USGC)	11, 12	.5/1.0
<i>Prerequisite: Instructor approval</i>				
This college level course covers Constitutional underpinnings of United States government; political beliefs and behaviors; political parties, interest groups and mass media; institutions of national government; the Congress, the presidency, the bureaucracy, and the federal courts; public policy; and civil rights and civil liberties. University credit can be earned with a successful performance on the Advanced Placement (AP) exam.				
<u>International Relations (Model U.N.)</u>	6130	(E)	10-12	.5/1.0
<i>Prerequisite: Instructor approval</i>				
This course covers the United Nations' history, organization, and current activities. The course program includes a study of foreign policy and world politics, and opportunities to participate in the United Nations conference simulations.				

<u>Law Enforcement</u>	6129	(E)	11, 12	.5
This course prepares individuals to perform the duties of police and public security officers, including patrol, investigative activities, traffic control, crowd control, public relations, witness interviewing, evidence collection, and management. The course also includes basic crime prevention methods and other routine law enforcement responsibilities.				
<u>Psychology 1</u>	6133	(E)	10-12	.5/1.0
This course covers human behavior including the development of personality, sensation, perception, learning, and language. It also includes experiments and classroom participation. Advanced work emphasizes emotions, mental disorders and their treatment, personality theories, therapies, and testing.				
<u>Psychology 2</u>	6134	(E)	11, 12	.5/1.0
<i>Prerequisite: Psychology 1 and/or Instructor approval</i>				
The course provides an in-depth study of topics covered in Psychology I. The course also emphasizes the application of psychological principles through experimentation and observation.				
<u>Psychology AP</u>	6135	(E)	10-12	1.0
<i>Prerequisite: Instructor approval</i>				
This college-level course covers the history of psychology, research methods, biological bases of behavior, sensation/perception, states of consciousness, learning, cognition, motivation, developmental psychology, personality, testing, abnormal psychology, treatment of psychological disorders, and social psychology. University credit can be earned with a successful performance on the Advanced Placement (AP) exam.				
<u>Sports Psychology</u>	6136	(E)	10-12	.5
This course is for competitive athletes or performers. Students will explore the field of Sports Psychology and will learn techniques to help them mentally prepare for performance situations. Topics to be covered include teamwork, communication, focus, confidence, imagery, attitude, goal setting, self-talk, winning, handling fear, and resilience.				
<u>Anthropology</u>	6117	(E)	11, 12	.5
This course focuses on physical and cultural anthropology as well as archaeology and linguistics. A geographical and historical sampling of human institutions and ways of life help students develop a greater understanding of the role of culture in human behavior.				
<u>Sociology 1</u>	6140	(E)	10-12	.5/1.0
This course is the systematic study of human society. Topics to be covered include basic theories of interpersonal and group interaction, culture, socialization, groups and their effect on the individual, deviance and crime, race and ethnicity, religion, social class, the family, gender roles and the environment.				
<u>Sociology 2</u>	6141	(E)	10-12	.5
<i>Prerequisite: Sociology 1 and/or Instructor approval</i>				
This course continues and expands upon topics covered in Sociology I. The course also emphasizes individual experimentation and observation.				
<u>Comparative World Religions</u>	6118	(E)	11, 12	.5
This course is an introduction to the historical and philosophical foundations of the major religions of the world. Religions to be studied include Hinduism, Buddhism, Judaism, Islam, Christianity and various Chinese religions.				
<u>American Women's History</u>	6119	(E)	11, 12	.5
This course focuses on the contribution of women in American society. The course covers women's history from colonial times to the present. Special emphasis is placed on biography, individual research and special projects.				
<u>Human Geography AP</u>	6126	(GFL)	10-12	1.0
<i>Prerequisite: Instructor approval</i>				
This college-level course covers the nature and perspectives of geography, population, cultural patterns and processes, political organization of space, agricultural and rural land use, industrialization and economic development, and cities and urban land use. University credit can be earned with a successful performance on the Advanced Placement (AP) exam.				
<u>Economics: Macro AP</u>	6153	(E)	11, 12	1.0
<i>Prerequisite: Instructor approval</i>				
This course introduces students to fundamental economic concepts such as scarcity and opportunity costs. Other basic concepts include functions of an economic system and use of the tools of supply and demand to analyze a market economy. University credit can be earned with a successful performance on the Advanced Placement (AP) exam.				
<u>Economics: Micro AP</u>	6154	(E)	11, 12	1.0
<i>Prerequisite: Instructor approval</i>				
This course gives students a thorough understanding of the principles of economics that apply to both consumers and producers within the larger economic system. It emphasizes the nature and functions of product markets, the study of factor markets, and the government's role in promoting efficiency and equity in the economy. University credit can be earned with a successful performance on the Advanced Placement (AP) exam.				
<u>Introduction to Philosophy</u>	6142	(E)	11, 12	1.0
This class is an introduction to the field of philosophy. The course includes an overview of several different philosophers, philosophical systems, subsections of philosophy, and methods of thinking.				

<u>The History of Sports in the United States</u>	6152	(E)	11, 12	.5
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This course concentrates largely on the nineteenth and twentieth centuries, and explores games and play during the revolutionary period as an antecedent to organized sports. In addition to examining the history of different sports, particularly those thought of as “national” sports. The course will also explore the rise of the athlete as a popular cultural hero, issues of gender and race in the sporting world, and the extent to which debates within the U.S. sporting world have changed over time.

<u>Art History AP</u>	6115	(E)	11, 12	1.0
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This is a year-long course that teaches the history and appreciation of great art works from the Western art traditions. It starts with prehistoric works and ends with post-modern works. University credit can be earned with a successful performance on the Advanced Placement (AP) exam.

HEALTHY LIFESTYLES

(Refer to the chart on Page 9 for the credit requirements and approved courses)

<u>Consumer Health (Health Education 2)</u>	7100	(HE)	10, 11	.5
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This course emphasizes the physical, social, and mental health dimensions people make in their lives and offers students an opportunity to evaluate health practices, products, and services.

<u>Health Sports Training</u>	7105	(E)	10, 11	.5
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This course is designed to introduce students to basic anatomy, medical terminology, first aid, C.P.R., and health skills. This is a supplemental course to consumer health and health sciences.

<u>Introduction to Health Science & Health Technology</u>	7101	(CTE, HE)	10-12	1.0
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Health Science is a class that acquaints students with a wide variety of careers in the health fields. Students learn basic anatomy, medical terminology, C.P.R., first aid, vital signs, ethics, job skills, etc. Health Science is not required but is recommended as a preparatory class for all medical related classes at the Jordan Technical Center. This full year class fulfills the required health credit for graduation from Jordan School District. Participation in your local HOSA or SkillsUSA chapter is strongly recommended.

<u>Team Sports</u>	7110	(IFA)	10-12	.5
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This course is designed to teach sports which require group participation and cooperation.

<u>Fundamentals of Basketball</u>	7111	(IFA)	10-12	.5
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This course offers instruction and practice in the fundamentals of basketball. Not for students on the school basketball team.

<u>Fundamentals of Volleyball</u>	7113	(IFA)	10-12	.5
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This course offers instruction and practice in the fundamentals of volleyball. Not open to students who have played on the school volleyball team.

<u>Volleyball 2</u>	7114	(IFA)	11, 12	.5
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Prerequisite: Fundamentals of Volleyball and/or Instructor approval

This course is a continuation of fundamentals of volleyball emphasizing further development of offensive and defensive strategies, effective team work, and sportsmanship.

<u>Fitness for Life</u>	7120	(LF)	10	.5
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This course is designed for continued physical fitness improvement with an increased understanding of the components that make up fitness i.e., heart/lung fitness, strength, flexibility, muscle endurance, weight control/nutrition, and stress management. This class is required for graduation.

<u>Lifetime Sports</u>	7121	(IFA)	10-12	.5
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This course offers instruction and practice in the fundamentals of golf, archery, tennis, badminton, table-tennis, and bowling.

<u>Aerobic Fitness</u>	7125	(IFA)	10-12	.5
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This course is designed to help individuals become physically fit through continuous movement activities to music.

<u>Yoga</u>	7126	(IFA)	10-12	.5
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This class focuses on structural alignment, increase of strength and flexibility. It will deepen student’s awareness of breath and the role it has in generating energy and stamina in one’s mind and body. The course will also incorporate techniques for stress relief, and enhance one’s physical performance by teaching students how to connect breath, organ systems, physiology and anatomy all together.

<u>Weight Training 1</u>	7130	(IFA)	10-12	.5
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This course is designed as an introduction to proper weight lifting techniques and includes the development of individual programs that develop body tone, muscle strength, and physical conditioning.

<u>Weight Training 2</u>	7131	(IFA)	10-12	.5
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Prerequisite: Weight Training 1 or Instructor approval

This course is a continuation of Weight Training 1, emphasizing further development of programs that develop body tone, muscle strength, and physical condition.

<u>Power Lifting</u>	7132	(IFA)	10-12	.5
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Prerequisite: Instructor approval

This is an advanced weight training course that offers instruction in heavy power lifting routines. It stresses strength, weight gains, and flexibility for injury prevention and agility. The course is designed to offer a higher level of proficiency and more in-depth instruction in weight training. Students learn that weight training is a fitness activity with many benefits, including

improving personal health, increasing longevity, and quality of life through the reduction of stress. Through focused instruction, students are able to identify the benefits and dangers of various dietary supplements such as vitamins, minerals, herbs, power drinks, steroids, and performance enhancing drugs.

Fitness Training 7135 (E) 10-12 .5

This course is designed to help every student improve their mental fitness by exploring the field of Sports Psychology. Students will learn techniques to help them mentally prepare for athletic contests.

Dance 1 7140 (A, IFA) 10-12 .5/1.0

This course offers instruction in the basic fundamentals of dance techniques and composition.

Dance 2 7141 (A, IFA) 10-12 .5/1.0

Prerequisite: Dance 1 or Instructor approval

This class teaches intermediate dance technique with emphasis on techniques, choreography, and improvisation.

Dance 3 7142 (A, IFA) 10-12 .5/1.0

Prerequisite: Dance 2 or Instructor approval

This is an advanced course in dance technique, with further development of skills in choreography and composition. There will be performances outside of class time that are part of the course requirements, and they will constitute a portion of the grade.

Dance Company 7143 (A, IFA) 10-12 .5/1.0

Prerequisite: Auditions

This is a performing group where members refine skills in all forms of dance and choreography. School and community performances are given throughout the year. Performances as well as rehearsals outside of the regular school day are required and constitute a portion of the course grade.

Social/Ballroom Dance 1 7144 (A, IFA) 10-12 .5/1-0

This course offers instruction and practice in the basic social dance steps, rhythms, and techniques. The following dances may be included: fox-trot, cha-cha, waltz, swing, mambo, western swing, and western line dance. Performances and rehearsals outside of the regular school day may be required and will constitute a portion of the course grade.

Social/Ballroom Dance 2 7145 (A, IFA) 10-12 .5/1.0

Prerequisite: Social/Ballroom Dance 1 or Instructor approval

This is an intermediate course offering instruction and practice in intermediate ballroom dance steps, rhythms and techniques. Performances as well as rehearsals outside the school day are required and will constitute a portion of the course grade.

Hip Hop 1 7155 (A, IFA) 10-12 .5

Through the implementation of the state core curriculum, students are taught technique, elements of dance, and the choreographic process. Students are required to meet performance based assessments, self-evaluations, peer evaluations, teacher evaluations, and visual data collection standards. They are also taught the history and culture behind each dance form and use this knowledge to apply historical impact to their dancing.

Hip Hop 2 7156 (A, IFA) 10-12 .5

Prerequisite: Hip Hop 1

In this course, students have experiences that deepen their understanding and implementation of the core curriculum and previous learning in Hip Hop 1. Higher level technique skills are implemented.

Athletics 7201-7202 (IFA) 9-12 Varies

Prerequisite: Coach Approval

This course is for students who compete on athletic teams.

Cheerleading/Songleading 7203 (E) 10-12 1.0

This course is designed for cheerleaders/song leaders who are elected or selected according to school constitutions.

Drill Team 7204 (E) 10-12 1.0

Prerequisite: Audition

This course is for those interested in promoting school spirit through performances in extra-curricular activities.

Sports Performance 7220 (E) 10-12 .5

This course is designed to introduce students to mental fitness in healthy lifestyles and athletics. Students will explore sports and athletic preparation, competition, and training.

College Athletics Prep 7221 (E) 10-12 .5

The course will focus on enhancing study skills, identifying academic as well as athletic weakness, developing training schedules, goal-setting, improving athletic and competitive skills and self-marketing. Understanding the recruitment process, securing scholarships and other sources of funding for higher education will also be covered.

CAREER AND TECHNICAL EDUCATION**WORK-BASED LEARNING**

<u>Careers (Career Orientation and Exploration)</u>	0216	(E)	10-12	.25/.5
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*0216 CTE Teacher**0215 Non-CTE Teacher*

This course is designed to introduce students to a variety of career fields. Students will take self-interest surveys and proficiency exams to help them identify career fields appropriate to their skills and interests. Students will develop resume writing and interviewing skills. This course is typically for tenth grade students. However, eleventh and twelfth grade students may also enroll in these specialized courses. These courses relate to all areas of the curriculum and are a direct connection of a student's SEOP career goal and the world of work.

<u>Workplace Skills/CTE Internship</u>	0208	(CTE)	11, 12	.5/2.0
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This is a course for juniors and seniors only. Students will experience practical applications for the concepts learned in the classroom that will allow them to explore career options and gain experience on which to base career decisions. Students will learn workplace skills through participating in regular seminar classes and by observing and interacting with professionals in the business community. Internships use partnerships between schools and businesses to broaden the educational and career opportunities for students.

AGRICULTURE**A fee may be required in these courses**

<u>Animal Science 1</u>	8201	(CTE, AAF-S)	10-12	1.0
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Students will be exposed to a wide range of scientific principles, such as genetics, anatomy, physiology, nutrition, disease, pests and management practices. The scientific processes of observation, measurement, hypothesizing, data gathering, interpretation, analysis and application are stressed. Career opportunities and educational preparation are examined. Learning activities are varied. Classroom, laboratory and field experiences emphasized. Participation in the FFA youth leadership organization may be an integral part of this course.

<u>Animal Science 2</u>	8203	(CTE, AAF-S)	11, 12	1.0
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Prerequisite Animal Science 1

Students will be introduced to equine science, poultry science, and production management. They will be exposed to the management practices associated with the handling of animal waste, livestock breeding and genetics, and the importance of anatomy and physiology in animal management practices. They will also be introduced to the practices associated with small animal care. Participation in the FFA youth leadership organization may be an integral part of this course.

<u>Floriculture and Greenhouse Management</u>	8206	(CTE)	10-12	1.0
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This course is designed to prepare individuals to produce, process, and market a variety of plants, shrubs, and trees used principally for ornamental, recreational, and aesthetic purposes. This course includes instruction in greenhouse operations as well as the methods used to establish, maintain, and manage horticulture. This course also includes instruction related to the machinery and equipment necessary for each horticultural enterprise. Instruction in agricultural leadership as well as field and laboratory application of course concepts is an important part of the course. Participation in the FFA youth leadership organization may be an integral part of this course.

<u>Floriculture</u>	8208	(CTE)	10-12	.5
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Students will be exposed to greenhouse operations and management practices that will prepare the students to produce commercial plant species in a controlled environment and to manage commercial and experimental greenhouse operations. Curriculum emphasis is floriculture studies. Participation in the FFA youth leadership organization may be an integral part of this course.

<u>Greenhouse Management</u>	8209	(CTE)	10-12	.5
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Students will be exposed to greenhouse operations and management practices that will prepare the students to produce commercial plant species in a controlled environment and to manage commercial and experimental greenhouse operations. Curriculum emphasis is greenhouse management. Participation in the FFA youth leadership organization may be an integral part of this course.

<u>Plant and Soil Science and Technology 1</u>	8210	(CTE, AAF-S)	11, 12	1.0
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An instructional course that emphasizes a pragmatic approach to scientific principles in plant and soil science and technology utilizing available classroom, greenhouse, land-laboratories, and commercial operations to enhance learning. Participation in the FFA youth leadership organization may be an integral part of this course.

<u>Plant and Soil Science and Technology 2</u>	8211	(CTE)	11, 12	.5/1.0
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Students will develop knowledge and skills in advanced areas of plant and soil science, including range resource management. The instruction will also include the importance of biotechnology in crop production. Students will also learn to identify common weeds, diseases, and insect pests.

<u>Biology-Agricultural Science (Foundation/Core)</u>	8207	(CTE, BS)	10-12	1.0
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This course covers biology with an agricultural emphasis. Students learn about the structure of cells, how genetic information is passed on, biological diversity, the process of evolution, and how organisms interact with their environment. Students learn how to apply this information in plants and animals through laboratory activities. Students also explore recent advances in

biotechnology (genetics, embryos, etc.) that are being used in agriculture and other biology related sciences. Students receive one credit of biological science. Participation in the FFA youth leadership organization may be an integral part of this course.

Equine Science – Year **8213** (CTE) **11, 12** **.5**

Students will develop an understanding of the following equine science concepts: basic equine terminology, early and modern equine history, career options, parts of equine tack, common health issues and number of foot falls and leg sequence at common gaits. Participation in the FFA youth leadership organization may be an integral part of this course.

Landscape Management **9011** (CTE) **11, 12** **.5/1.0**

Students will develop knowledge and skills in advanced areas of plant and soil science, including range resource management. The instruction will also include the importance of biotechnology in crop production. Students will also learn to identify common weeds, diseases, and insect pests.

BUSINESS

A fee may be required in these courses

Accounting 1 **8300** (CTE, AAF-M) **10-12** **.5**

This course focuses on the importance and need for accurate financial records, both in the world of business as well as in personal lives. Students will know accounting as it relates to careers in the field of finance. They will know accounting terminology (assets, liabilities, expenses, revenue, capital, debit, credit, posting, journalizing, etc.). Skills will include a knowledge of the accounting cycle, entering transactions in journals, posting to ledgers, compiling end-of-period worksheets, adjusting and closing entries, statements and reports, and completing banking activities. Students will be introduced to computerized accounting. Participation in the FBLA youth leadership organization may be an integral part of this course.

Accounting 2 **8301** (CTE, AAF-M) **10-12** **.5**

Prerequisite: Accounting 1

This course develops advanced skills and builds upon those learned in Accounting I. Additional skills include dealing with uncollectible accounts, calculating depreciation on assets, interpreting financial information, calculating notes and interest, payroll systems and special journals. Students will continue to use computerized accounting. Participation in the FBLA youth leadership organization may be an integral part of this course.

Business Communications 1 **8305** (CTE, Sr.LA) **11, 12** **.5**

This course will teach students to communicate in a clear, courteous, concise, and correct manner on both personal and professional levels. Competency will be developed in oral, written, social, technological, employment, and organizational communication. Listening skills will be incorporated throughout the semester. The overriding goal is to provide students with a solid communication base so they are able to function effectively in any course of study and in our global society. This course may satisfy the Language Arts requirement for seniors. Participation in the FBLA youth leadership organization may be an integral part of this course.

Business Communications 2 **8319** (CTE, Sr.LA) **11, 12** **.5**

Prerequisite: Business Communications 1

This advanced course will build upon the skills acquired in Business Communications I. Students will focus on additional methods of constructive communication skills. Competency will again be developed in oral, written, social, technological, employment, and organizational communication with listening skills incorporated throughout the semester. The goal is to provide students with a practical, proficient portfolio consisting of a resume, job application, and an oral presentation. Students will complete the course with a greater understanding of the impact of technology. Composition of business memos, reports, and other written communications will provide practical applications and training in proper sentence structure, correct grammar usage, and formatting principles. Participation in the FBLA youth leadership organization may be an integral part of this course.

Business Law **8306** (CTE) **10-12** **.5/1.0**

In this course students will gain an understanding of the law as it currently relates to them and the implications of the law in their future lives as well as the lives of their families and friends. The course will include an understanding of the court system at the local, state, and national levels. Students will gain an understanding of contract law, their rights and responsibilities as citizens, legal implications of financial transactions, employment and agency relationships, and regulations governing different types of business organizations. Participation in the FBLA youth leadership organization may be an integral part of this course.

Business Management **8308** (CTE) **10-12** **.5/1.0**

This course seeks to develop sound management skills in students, as management plays a role in any future employment opportunity. Students are able to analyze, synthesize, and evaluate data from the other functional areas of business (e.g., marketing, finance, accounting, and production) as well as focus on managing one's time and the time and talents of others. Effective management requires decision-making abilities, long-range planning knowledge, human relations expertise, and motivational skills. Students learn leadership skills and are able to select appropriate management styles. Finally, students are taught current technological applications and the effect international trade has on management style and decisions. Participation in the FBLA youth leadership organization may be an integral part of this course.

Digital Business Applications **8309** (CTE) **11, 12** **.5/1.0**

Prerequisite: Computer Technology 1

This course is designed to prepare students with the knowledge and skills to be an asset to the collaborative, global, and innovative business world of today and tomorrow. Concepts include the overall digital experience, digital communications with audio and video, and the exploration of career choices. This course also provides an understanding of business concepts and professional development in today's global office. Participation in the FBLA youth leadership organization may be an integral part of this course.

<u>Computer Technology 1</u>	8311	(CT)	10-12	.5
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This is an introduction to computer application software that encompasses document processing, spreadsheets, and presentations. An understanding of ethics and use of operating systems, information resources, and electronic mail is included. Skills gained will be demonstrated by creating a project for a different content area. This course is required to fill the Information Technology credit. Participation in the FBLA youth leadership organization may be an integral part of this course.

<u>Computer Technology 2</u>	8316	(CTE)	10-12	.5/1.0
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Prerequisite: Computer Technology 1

This course is only available for students enrolled in the Canyons Applied Technology Center (CTEC) Business Leadership program. It applies advanced concepts and principles relating to electronic spreadsheets, databases, and PC operating systems. The skills gained will be used to store data, interpret data, and create reports that would be used in making business decisions. E-mail and Internet will be used to electronically send and receive communications, research industry information, and reinforce understanding of business terminology. Participation in the FBLA youth leadership organization may be an integral part of this course.

<u>Desktop Publishing</u>	8310	(CTE)	10-12	.5
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This course provides skill development in computerized procedures of producing and editing publications. Students will create, format, illustrate, design, edit/revise, and print publications. Improved productivity of electronically produced newsletters, flyers, brochures, reports, advertising materials and publications are emphasized. Proofreading, document composition, and communication competencies are included. Participation in the FBLA youth leadership organization may be an integral part of this course.

<u>Entrepreneurship/Business</u>	8326	(CTE)	10-12	.5/1.0
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This course is designed to allow students to explore their personal entrepreneurial potential and business opportunities. Students will gain an understanding of the nature of small businesses as they develop a business plan, analyze financial records, deal with risk management, identify legal issues and government regulations that affect small businesses. This class may include Junior Achievement activities. Participation in the FBLA youth leadership organization may be an integral part of this course.

<u>Economics/Business</u>	8327	(CTE)	10-12	.5/1.0
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This course will provide students with a greater understanding of basic economic concepts as they learn about the important interrelationships in today's world economy, the relationship of money and banking, and the government's role in the economic system. This class may include Junior Achievement activities. Participation in the FBLA youth leadership organization may be an integral part of this course.

<u>Business Web Page Design</u>	8322	(CTE)	10-12	.5
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This course provides students with an introduction to the Internet. Students will demonstrate a basic knowledge of the Internet and its tools through the use of e-mail, search engines, and browsers. HTML and Web publishing software will be used to create, format, illustrate, design, edit, and publish web pages. Emphasis will be placed on the application of the Internet in business. Participation in the FBLA youth leadership organization may be an integral part of this course.

<u>Advanced Business Web Page Design</u>	8323	(CTE)	10-12	.5
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Prerequisite: Business Web Page Design

This course is a continuation of skills developed in Web Page Design. This course provides skill development in the electronic procedures of producing, editing, publishing, and maintaining documents on the Internet. Web publishing software and HTML are used to develop the competencies of creating, formatting, illustrating, designing, editing/revising, and publishing documents on the World Wide Web. Proofreading, document composition, and communicating competencies are included. Participation in the FBLA youth leadership organization may be an integral part of this course.

<u>Word Processing Basic</u>	8317	(CTE)	10-12	.5
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This introductory course is only available for students enrolled in the Canyons Applied Technology Center (CTEC) Business Leadership program. In the course, students learn basic word processing skills. These invaluable skills include editing and proofreading documents, performing standard file management procedures, keyboarding, and creating business documents to simulate a real-life job environment. Participation in the FBLA youth leadership organization may be an integral part of this course.

FAMILY AND CONSUMER SCIENCE
A fee may be required in these courses

<u>Child Development</u>	8700	(CTE)	10-12	.5/1.0
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This course covers the development of a child from conception through adolescence. This course includes the following topics: reproductive tracts, prenatal development and care, healthy lifestyles conducive to healthy pregnancies, birth defects, and the development and care of children throughout childhood. Guidance and discipline techniques and the physical, social and emotional development of children will also be examined. The student learns not only how a child grows and develops, but why. This class is a prerequisite for any of the higher-level child development courses. Participation in the FCCLA youth organization may be an integral part of this course.

<u>Early Childhood Education 1 Curriculum</u>	8701	(CTE)	10-12	.5/1.0
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Prerequisite: Child Development

This course prepares individuals for child-related careers and/or more extensive parenting skills. Instruction is given regarding standards involved with childcare, employment skills needed to work with young children, how to maintain a healthy

environment for children, developmentally appropriate practices (DAP) and curriculum design for young children. Participation in the FCCLA youth organization may be an integral part of this course.

Early Childhood Education 1 Lab **8702** (CTE) **10-12** **.5/1.0/2.0**

Prerequisite: Child Development or Early Childhood Education 1 Curriculum

This course provides students an opportunity to work with children in a lab setting. Instruction includes: demonstrating employment skills required to work with children, maintaining a healthy environment for children, implementing developmentally appropriate practices in a lab setting, developing and implementing curriculum and developing positive relationships with children. On-site lab experiences will be a major component of the course. Participation in the FCCLA youth organization may be an integral part of this course.

Early Childhood Education 2 **8704** (CTE) **11, 12** **.5/1.0/2.0**

Prerequisite: Completion of Early Childhood Education 1

The primary focus of this class is hands-on, on-site or off-site early child development experiences. The focus of this class is to complete steps to apply for the Child Development Associate (CDA). This course prepares individuals for careers related to early childhood education. Experiences include: program planning and management, resource and facility management, supervising recreational and play activities, preparing and implementing a large variety of learning experiences for children, the application of individual teaching skills, and preparation for a career and/or entrepreneurial opportunities. Participation in the FCCLA youth organization may be an integral part of this course. This course may need to be repeated to complete the lab hours required in obtaining a CDA.

Adult Roles and Responsibilities **8776** (CTE) **11, 12** **.5**

Students will prepare for a successful life after high school. This course introduces students to the nature, function, and significance within interpersonal relationships of individuals and families. Topics such as: family living, parenting, decision-making skills, communication skills, self-awareness, crisis management, and the individual's roles and responsibilities with the family and community are discussed. Emphasis will be placed upon the uniqueness, needs, and interests of individuals and families. Participation in the FCCLA youth organization may be an integral part of this course.

Adult Roles and Financial Literacy **2210** (F, CTE) **11, 12** **1.0**

This course prepares students to understand the nature, function, and significance of individual and family relationships integrated with general financial literacy. Topics include: decision-making to set and implement financial goals, values, communication skills, self-awareness, families, sources of income and the relationship between income and career preparation, crisis management, marriage preparation, marriage, money management, saving, investing, parenting, and retirement planning. Students who complete the entire course fulfill the General Financial Literacy graduation requirement. Participation in the FCCLA youth organization may be an integral part of this course.

Clothing 1 **8725** (CTE) **10-12** **.5/1.0**

This course introduces students to basic clothing construction techniques, and proper clothing care and maintenance practices. Includes choosing and using patterns, fabrics, and notions; using and caring for today's sewing machines and sergers are included. Students may choose from a variety of projects based on individual skill level and preference. Students will need to furnish some materials for this class. These materials and projects become the property of the students. Participation in the FCCLA youth organization may be an integral part of this course.

Clothing 2 **8726** (CTE) **10-12** **.5/1.0**

Prerequisite: Clothing 1 or Sports Sewing

This course will expand and build upon skills learned in Clothing I or Sports Sewing. Units of study may include walking shorts, skirts, shirts, construction serging, and quick and easy techniques using the sewing machines. Projects are chosen based on individual skill level and preferences. Students who have completed 8th or 9th grade sewing start here. Participation in the FCCLA youth organization may be an integral part of this course.

Sports Sewing 1 **8728** (CTE) **10-12** **.5/1.0**

This course covers basic sewing skills while completing a variety of projects. This course emphasizes the construction of sports and outdoor clothing. Students start with easy projects like boxer shorts and progress to ski wear, sweats, camo shirts, pants, zippered bags, and polar fleece jackets. Subjects such as clothing care, maintenance and textile information are covered. Projects are individually selected. Participation in the FCCLA youth organization may be an integral part of this course.

Sports Sewing 2 **8731** (CTE) **10-12** **.5/1.0**

Prerequisite: Sports Sewing 1

This course teaches students intermediate construction skills, but is specialized to concentrate on specific fabrics or projects such as outdoor clothing or sports clothing. The intermediate standards, objectives, and indicators as listed in clothing II should be taught in this course. Participation in the FCCLA youth organization may be an integral part of this course.

Designer Sewing/Fashion Design **8729** (CTE) **11, 12** **.5/2.0**

Prerequisite: Instructor approval

This innovative, hands-on course prepares individuals for occupations in the field of apparel and textiles. Instruction includes: clothing construction and tailoring, use of consumer and commercial sewing machines, fabric selection and use, fashion fitting and repair, custom sewing, home fashion, clothing and sewing-related entrepreneurship opportunities. Participation in the FCCLA youth organization may be an integral part of this course.

Fashion Strategies **8730** (CTE) **10-12** **.5**

This course prepares individuals to assist in coordinating garments for various occasions. Units of instruction include analysis of fashion trends, basic characteristics of styles, fashion design, and merchandising techniques; describing garment

construction features, quality, and fiber content to customers; assessing of durability and care of fabric and garments; selecting current fashion for figure types and fitting garments on customers; planning and presenting fashion shows; and developing fashion displays. The class includes the analysis of garments and accessory combinations to create pleasing designs with line, form, and fabrics. Participation in the FCCLA youth organization may be an integral part of this course.

Foods and Nutrition 1 **8750** (CTE) **10-12** **.5/1.0**

This introductory course is designed for students who are interested in understanding the principles of nutrition and in maintaining a healthy life style. Attention will be given to the selection and preparation of food and personal health and well-being. Participation in the FCCLA youth organization may be an integral part of this course.

Foods and Nutrition 2 **8751** (CTE) **10-12** **.5/1.0**

Prerequisite: Food and Nutrition 1

This course is designed for students who are interested in understanding the principles of nutrition and food preparation. Attention will be given to the selection and preparation of food and personal health. Food preparation techniques should be integrated throughout the course and related to all sections of study. Emphasis should be on foods to create meals for families. Use of regional, ethnic and foreign foods is strongly encouraged to increase cultural awareness and appreciation of diversity. Participation in the FCCLA youth organization may be an integral part of this course.

Foods Service/Culinary Arts **8753** (CTE) **11, 12** **1.0/2.0**

Prerequisite: Adequate skill level as determined by instructor

This course provides curriculum designed for employment training in the areas of food production, management, and services. Basic knowledge is provided in nutrition as well as skills for nutrient retention during food preparation and service. The course provides the opportunity for student achievement in concepts and skills related to: management techniques, equipment operation, quantity food production, catering, safety and sanitation, hospitality. Experiences may include entrepreneurship opportunities. Participation in the FCCLA youth organization may be an integral part of this course.

ProStart 1 **8760** (CTE) **11, 12** **1.0/2.0**

This basic course from the National Restaurant Association introduces students into the world of professional cooking. Basic communication skills, safety and sanitation, food preparation, meal planning, and other topics are taught in this beginning course. Participation in the FCCLA youth organization may be an integral part of this course.

ProStart 2 **8761** (CTE) **11, 12** **1.0/2.0**

Prerequisite: ProStart 1

Students will continue to be trained for employment in restaurants. The basic skills taught in ProStart 1 will be reviewed and additional skills such as customer relations, accounting procedures and more advanced food skills will be taught. Participation in the FCCLA youth organization may be an integral part of this course.

Interior Design 1 **8777** (CTE) **10-12** **.5**

This is a basic course for future architects, interior designers and consumers in which students learn to use the basic elements and principles of design to finish and decorate a home. Units include: color, floor planning, window and wall treatments, fabric and textile use, furniture selection/care and room arrangement. NOTE: A fee may be charged for consumable items used in this class. Participation in the FCCLA youth organization may be an integral part of this course.

Interior Design 2 **8778** (CTE) **10-12** **.5**

Prerequisite: Interior Design 1

This course provides students the opportunity to develop skills in applying the elements and principles of design to interiors. Projects are integrated throughout the course to provide applications as the students study architecture, furniture styles and constructions, surface treatments and backgrounds, design and function of space, and lighting. Participation in the FCCLA youth organization may be an integral part of this course.

Advanced Interior Design **8779** (CTE) **11, 12** **.5/1.0**

Prerequisite: Interior Design

This course provides students with the opportunity to develop advanced skills applying the elements and principles of design to interiors. Portfolio projects are integrated throughout the course to provide applications as the students continue their study of floor plans, color schemes, lighting, textures, fabrics, furniture design and style. Appropriate computer design programs are used in this course, which may include CAD. The students will explore the various career opportunities related to interior design. A coordinated project that allows application of interior design skills in a residential, commercial or school setting may be a component of this course. Participation in the FCCLA youth organization may be an integral part of this course.

HEALTH SCIENCE AND TECHNOLOGY

A fee may be required in these courses

Introduction to Health Science **7101** (CTE, HE) **10-12** **1.0**

This course acquaints students with a wide variety of careers in the health fields. Students learn basic anatomy, medical terminology, C.P.R., first aid, vital signs, ethics, job skills, etc. Health Science is not required but is recommended as a preparatory class for all medical related classes at the Jordan Technical Center. This full year class fulfills the required health credit for graduation from Jordan School District if all four quarters are passed. Participation in the HOSA youth leadership organization may be an integral part of this course.

Sports Medicine **7206** (CTE) **11, 12** **.5/1.0**

This course is designed to introduce the student to the area of physical therapy and athletic training. Students will also learn components of sports medicine including human anatomy and physiology, injury prevention, first-aid practices, injury

evaluations, healing processes, therapeutic modalities, sports nutrition, performance skills and career options. Participation in the HOSA youth leadership organization may be an integral part of this course.

Emergency Medical Responder 9123 (CTE) 10-12 .5
 This course provides students with advanced emergency medical information and skills. It informs students of a variety of career options in emergency medicine. Students will be trained in the American Red Cross--Emergency Response or National Safety Council--Advanced First Aid and CPR. Participation in the HOSA youth leadership organization may be an integral part of this course.

Medical Forensics 9124 (CTE) 11, 12 1.0
 This course is designed to create an awareness of the branch of health science relating to medical forensics. This course focuses on introductory skills and assessment in order to develop the ability to identify, analyze, and process logically using deductive reasoning and problem solving. Medical forensics involves many aspects of health science instruction including laboratory skills and safety, microscopy, toxicology, measurement, physical evidence identification, pathology, anthropology, entomology, psychology, blood spatter analysis, and career exploration.

Medical Terminology 9122 (CTE) 10-12 .5
 Course uses videos supplemented with lecture and discussion covering more than 350 medical word roots, suffixes, and prefixes. Emphasis is placed on the pronunciation, spelling, and proper usage of medical terminology. Medical abbreviations are also introduced. Participation in the HOSA youth leadership organization may be an integral part of this courses.

Medical Anatomy and Physiology 9120 (CTE, AAF-S) 11, 12 1.0
 This full-year course provides students with an in-depth study of health care careers including clinical experience in a variety of health care settings. Instruction includes intermediate anatomy and physiology, medical terminology and abbreviations, diseases and disorders, medical ethics, and first aid. The class is designed to prepare students for a variety of health technology programs. Participation in the HOSA youth leadership organization may be an integral part of this course.

Advanced Health Science 3175 (CTE) 11, 12 .5
 This semester course focuses on the development of students who are interested in a health care career. Instruction is based on the National Health Care Skill Standards, which represent the skill and knowledge, both academic and technical, necessary to pursue a full range of health care professions. The National Care (Foundation) Skill Standards and Accountability Criteria can be obtained at www.nchste.org. Participation in the HOSA youth leadership organization may be an integral part of this course.

INFORMATION TECHNOLOGY

A fee may be required in these courses

Introduction to Information Technology 8120 (CTE) 10-12 .5
Prerequisite: Secondary Mathematics 1

This is a semester-long course designed for the student who has little or no computer experience. The course starts with the fundamentals of computer operation and proceeds to programming. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

Computer Programming 1 8121 (CTE, AAF-M) 10-12 .5/1.0
Prerequisite: Secondary Mathematics 1 (mandatory) and Introduction to Information Technology (recommended)

This course in computer programming uses the C language. The course begins with structured programming, progresses to object-oriented programming, and concludes with Windows programming. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

Computer Programming 2 8122 (CTE, AAF-M) 10-12 .5/1.0
Prerequisite: Computer Programming 1

This is a course which provides a continued experience in computer studies. Advanced programming techniques are studied to provide more efficient programs capable of performing greater tasks. Advanced use of peripherals is also studied. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

Computer Science AP 8123 (CTE, AAF-M) 10-12 .5/1.0
Prerequisite: Algebra 2, Computer Programming (mandatory) or Instructor approval

This is a course which provides a comprehensive study of computer concepts with a major emphasis on programming methodology, algorithms, and data structures. Treatment of computer systems and the social implications of computing are integrated into the course. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

Digital Media 1 Design and Development 8124 (CTE) 10-12 .5/1.0

This course is the process of planning, instructional design, and development. Multimedia Design and Development is the first year multimedia course where students will create interactive computer applications to be delivered on CD-ROM, Internet or other delivery media using the elements of text, graphics, animation, sound, video, and digital imaging. These skills can prepare students for entry-level positions and other occupational/education goals. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

Digital Media 2 Production 8125 (CTE) 11, 12 .5/1.0
Prerequisite: Multimedia 1 Design and Development

Students are involved with the production of multimedia curriculum products that will provide resources for teachers. Students work with subject-matter experts to determine the content of their products. Students use skills they learned during the first

year while incorporating advanced skills to create a finished product of high quality. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

Digital Media 3

Prerequisite: Digital Media 2 Production **8126** (CTE) **11, 12** **1.0**

Students are involved with advanced production of multimedia curriculum products that will provide resources for teachers. Students work with advanced subject-matter experts to determine the content of their products. Students use skills they learned during Digital Media 2 Production while incorporating advanced skills to create a finished product of high quality. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

3D Graphics

Prerequisite: Computer Technology 1 and Multimedia 1 Design and Development **8130** (CTE) **10-12** **.5**

3D Graphics is a one semester 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. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

3D Animation

Prerequisite: 3D Graphics **8131** (CTE) **11, 12** **.5**

3D Animation is a one semester course using 3D graphics software to produce 3D models and animations. This course will introduce students to 2D and 3D, animation planning, storyboard development, and the animation process. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

A+ Computer Repair/Maintenance

8127 (CTE) **11, 12** **1.0**

This course is a testing program sponsored by CompTIA that certifies the competency of entry-level (6 month's experience) service technicians in the computer industry. Students seeking an internationally-recognized credential as a competent entry-level (6 months experience) computer service professional can take the A+ examination. Major computer hardware and software vendors, distributors, resellers and publications support this program. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

Web Development I

8128 (CTE) **10-12** **.5/1.0**

This course covers the basic hands-on skills and knowledge of Internet technologies, network infrastructure, and Web authoring using HTML. Internet professionals are expected to understand and use these foundation skills. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

Web Development 2

Prerequisite: Web Development I **8132** (CTE) **11, 12** **.5/1.0**

Web Development II builds on skills learned in Web Development I. The course is designed to build Web development skills and prepare students to take the CIW Site Development Foundations Module and the CIW Site Designer certifications tests. Students passing both tests will earn the CIW Associate Design Specialist Certification.

Web Development 3

Prerequisite: Web Development 2 **8133** (CTE) **11, 12** **1.0**

This introductory course is only available for students enrolled in the Canyons Applied Technology Center (CTEC) Web Development program. Web Development 3 builds on skills learned in Web Development 2. This is an advanced course designed to build Web development skills beyond what is taught in Web Development 2 and prepare students to take the CIW Site Development Foundations Module and the CIW Site Designer certifications tests. Students passing both tests will earn the CIW Associate Design Specialist Certification.

Microsoft Certified Professional (MCP)

8136 (CTE) **11, 12** **.5/1.0**

Microsoft Server Administration Fundamentals is designed to provide students with an understanding and explanation of fundamental server administration concepts. This training course prepares students for Microsoft exam 98-365. MTA is a new entry-level credential from Microsoft that validates the foundational knowledge needed to take the first step toward building a successful career in technology. The MTA certification programs cover the baseline knowledge of building and managing Microsoft Windows Servers, Windows based network operating systems, Active Directory, account management, and system recovery tools.

Database Development

9060 (CTE) **11, 12** **.5/1.0**

This course will educate secondary students on the fundamentals of internet and database technology, and provide them with the necessary skills to pursue academic and professional opportunities. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

Network Fundamentals (NET+)

9061 (CTE) **11, 12** **.5/1.0**

Network+ is a testing program by the Computing Technology Industry Association (COMPTIA) that certifies the knowledge of networking technicians with 18-24 months experience in the IT industry. This test is administered by Sylvan Prometric, is available and was launched on April 30, 1999. Earning the Network+ certification means that the candidate possesses the knowledge needed to configure and install the TCP/IP client. This exam covers a wide range of vendor and product neutral networking technologies. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

Security Fundamentals

9062 (CTE) **11, 12** **.5/1.0**

This course will provide students with information on network security including industry wide topics on communication security, infrastructure security, cryptography, access control, authentication, external attack and operational and organization security. This course will also prepare students for the CompTIA Security+ IT Industry certification exam. The Security+ exam

measures the security knowledge mastery of an individual and networking experience. Participation in the SkillsUSA youth leadership organization may be an integral part of his course.

Web Development **9110** (CTE) **11, 12** **4.0**

Web Development industry certification programs target individuals interested in demonstrating the baseline of technical knowledge that would allow them to pursue a variety of Internet-related careers. iNet+ is accepted by all other Internet certification programs as a fundamental (beginning) level certification, and is a good place to start. iNet+ is a vendor-neutral, entry-level Internet certification program that tests baseline technical knowledge of Internet, Intranet, and Extranet technologies, independent of specific Internet-related career roles. Learning objectives and domains examined include Internet basics, Internet clients, development, networking, security, and business concepts. CIW and WOW build upon the iNet+ curriculum. *(Note: This course is only available through the Canyons Technical Education Center Web Development program.)*

Digital Media Design/Development/Production **9015** (CTE) **11, 12** **4.0**

Digital media is the process of planning, instruction design, and development. In this course students will create and learn using elements of text, graphics, animation, 2-D, and 3-D graphics, sound video, and digital imaging to create digital computer applications to be delivered on CD-ROM, Internet or other media. These skills will prepare students for entry-level multimedia positions and will provide fundamental digital media understandings and skills beneficial for other occupational/educational endeavors. *(Note: This course is only available through Canyons Technical Education Center Information Technology program.)*

Exploring Computer Science **9180** (CTE) **10-12** **.5**

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

Mobile Development Fundamentals **9181** (CTE) **11, 12** **.5**

The Microsoft Technology Associate (MTA) is a new Microsoft Certification program that validates the foundational knowledge needed to begin building a career using Microsoft technologies. Successful candidates earn MTA certificates and access to benefits on the Microsoft Certification member site. The certification exam is designed to provide candidates with an assessment of their knowledge of fundamental mobile development concepts. It can also serve as a stepping stone to the Microsoft Certified Technology Specialist exams. *(Note: This course is only available through the Jordan Applied Technology Center Web Development program.)*

Introduction to Geographical Information Systems **9182** (CTE) **11, 12** **.5**

This course introduces fundamental concepts of Geographical Information Systems (GIS) and the major functionality contained within professional GIS software. Students will follow the GIS analytical process and work with a variety of tools to solve realistic problems. The course emphasizes practical GIS software skills.

HTML5 Application Development Fundamentals **9183** (CTE) **11, 12** **.5/1.0**

This course will help students learn the core foundational skills and concepts of HTML 5 client application development skills that will run on today's touch-enabled devices such as personal computers, tablets, and phones. Students will work with tutorials and samples on MSDN and in Microsoft Visual Studio. Students will also have hands-on experience with the related technologies and will use HTML5, CSS3, and Java Script to develop applications. This course will prepare students for the HTML 5 exam. *(Note: This course is only available through the Jordan Applied Technology Center Web Development program.)*

Gaming Development Fundamentals **9184** (CTE) **11, 12** **.5**

This course will focus on the foundational knowledge of game design, hardware, graphics, and animation. Students will work with tutorials and samples on MSDN and in Microsoft Visual Studio. Students will have hands-on experience with the relevant technologies. This course will prepare students for the MTA exam. *(Note: This course is only available through the Jordan Applied Technology Center Digital Media Design/Development/Production program.)*

New and Emerging Technologies **9185** (CTE) **11, 12** **.5**

This course will introduce the student to new and emerging technologies in the area of computer science and information technologies. Students will be studying Mobile App Development, HTML5 and ever-changing technologies. Participation in the SkillsUSA and/or TSA youth leadership organizations may be an integral part of this course.

MARKETING

A fee may be required in these courses

Marketing 1 **8350** (CTE) **10-12** **.5/1.0**

This is an introductory course which will teach concepts of entry-level marketing strategies in business. The instruction is activity oriented and includes marketing and business fundamentals, selling, financing, product/service planning, information management, purchasing, distribution, pricing, promotion, risk management, career development, economics, communications, human relations, marketing math, and marketing operations. Participation in the DECA youth organization may be an integral part of this course.

Marketing 2 8351 (CTE) 11, 12 .5/1.0

Prerequisite: Marketing 1

This is an in-depth course for the career-minded student with emphasis in the following areas: marketing and business fundamentals, business management, information management, human relations, product/service planning, finance, distribution, purchasing, pricing, promotion, and selling. Participation in the DECA youth organization may be an integral part of this course.

Fashion Merchandising 8352 (CTE) 10-12 .5/1.0

A course that provides instruction in the following areas related to fashion: cycles, leaders, textiles, apparel details, color, cosmetics, retailing, promotion, and career opportunities. Participation in the DECA youth organization may be an integral part of this course.

Retailing 8354 (CTE) 10-12 .5/1.0

This course will prepare individuals to operate businesses that sell, rent, or lease goods and services. This course will provide activity-oriented training in buying, storing, pricing, advertising, display, selling, financing, and other activities necessary for successful business operations. Participation in the DECA youth organization may be an integral part of this course.

Advertising/Promotion 8355 (CTE) 10-12 .5/1.0

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. Participation in the DECA youth organization may be an integral part of this course.

Entrepreneurship/Marketing 8356 (CTE) 10-12 .5/1.0

Students gain an understanding of the marketing and management principles necessary to start and operate their own business. They will develop an awareness of the opportunities for small business ownership and develop the planning skills needed to open a small business. Students will become aware of the traits and characteristics of successful entrepreneurs. Students gain an awareness of knowledge needed in research, planning, and regulations affecting the small business and the means of financing a small business. They will understand the specific strategies of business management and marketing and the economic role of the entrepreneur in the market system. Participation in the DECA youth organization may be an integral part of this course.

Economics/Marketing 8357 (CTE) 10-12 .5/1.0

This course will provide students with a greater understanding of basic economic concepts as they learn about the important interrelationships in today's world economy, the relationship of money and banking, and the government's role in the economic system. This class may include Junior Achievement activities. Participation in the DECA youth organization may be an integral part of this course.

Leadership Management Principles 8358 (CTE) 10-12 .5/1.0

This course is only available for students enrolled in the Canyons Applied Technology Center (CTEC) Business Leadership program. This class will teach how to be an "effective" leader. Concepts of goal setting, motivation, team building, time management, conflict resolution and much more are addressed. Participation in the DECA youth organization may be an integral part of this courses.

Social Media Marketing 8370 (CTE) 10-12 .5/1.0

This course will provide students with a foundation and skill set in the new evolving world of social media tools and strategies in marketing and business. Topics covered will include: How to use social media tools to build customer relationships and increase productivity, the importance of building an online community, creating and executing social media campaigns, trends in mobile applications and real world case studies of the effective use of social media within business-to-business and business-to-consumer settings. Participation in the DECA youth organization may be an integral part of this course.

Sports and Entertainment Marketing 8365 (CTE) 10-12 .5/1.0

This course is primarily designed for the student who wants to become a Marketing Sports Director at a college or a private sports franchise. An introduction on how to sell advertising, how to properly display signs, how to coordinate speakers and activities during athletic contests, the organization of concession stands, and the promotion of the overall sporting activity. Participation in the DECA youth organization may be an integral part of this course.

TECHNOLOGY AND ENGINEERING

TECHNOLOGY

A fee may be required in these courses

Foundations of Technology 8104 (CTE) 10-12 .5/1.0

This is a comprehensive action-based educational course concerned with technical means, their evolution, utilization, and significance with industry, its organization, personnel, systems, techniques, resources, and products, and their social/cultural impact. It is a secondary school introduction to hands-on technology activities with emphasis placed on planning, design and problem solving. It is designed to nurture students to become technologically literate productive citizens who exhibit appropriate critical thinking and problem solving skills as they assess the technology that influences their daily lives and their future careers. Participation in the TSA youth organization may be an integral part of this course.

<u>Advanced Technology Education</u>	8111	(CTE)	11, 12	.5/1.0
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This course continues to prepare each student with technological skills, through a broad spectrum of laboratory activities and instruction on specialized equipment. Students are expected to become self-directed learners as they are given control over learning activities that allow them to complete advance projects. Teamwork and group problem solving is emphasized. A written publication and demonstration of student projects is also required. Participation in the TSA Youth organization may be an integral part of this course.

<u>Physics with Technology (Foundation/Core)</u>	8505	(CTE, PS)	10-12	.5/1.0
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Prerequisite or Co-requisite: Secondary Mathematics 1

The physics/electronics curriculum is divided into four major topics: matter, motion, energy, and circuits. The study is developed around systems and the nature of science and helps students understand the close relationship between electronics and other sciences, characterizing electronics as an extension of physics. Participation in the TSA youth organization may be an integral part of this course.

<u>Automation and Robotics</u>	8117	(CTE)	11, 12	.5/1.0
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This course is a lab based, hands-on curriculum combining electrical, mechanical and engineering design principles. Students will learn to control and program robotic devices by applying science, math and technology. Rigorous study and application of electrical concepts include, but are not limited to: sources of energy, electrical safety, use and identification of basic electronic parts, sensors and actuators. Mechanical concepts will include, but are not limited to: mechanical design, three dimensional modeling, prototype, development, design testing, model assembly and proper engineer documentation. Industrial automation, robotic applications and career opportunities will also be discussed. Participation in TSA youth organization may be an integral part of this course.

ENGINEERING

A fee may be required in these courses

<u>Principles of Engineering-PLTW</u>	8110	(CTE, AAF-S)	11, 12	.5/1.0
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This course helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes helps students learn how engineers and technicians use math, science, and technology in an engineering problem solving process to benefit people. The course also includes social and political consequences of technological change. Participation in the TSA youth organization may be an integral part of this course.

<u>Computer Integrated Manufacturing-PLTW</u>	8112	(CTE)	11, 12	1.0
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This course applies principles of robotics and automation. The course builds on computer solid modeling skills developed in Introduction to Engineering Design, and Design and Drawing for Production. Students use CNC equipment to produce actual models of their three-dimensional designs. Fundamental concepts of robotics used in automated manufacturing, and design analysis are included. Participation in the TSA youth organization may be an integral part of this course.

<u>Engineering Design and Development-PLTW</u>	8113	(CTE)	11, 12	1.0
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In this engineering research course students work in teams to research, design and construct a solution to an open-ended engineering problem. Students apply principles developed in the four preceding courses and are guided by a community mentor. They must present progress reports, submit a final written report and defend their solutions to a panel of outside reviewers at the end of the school year. Participation in the TSA youth organization may be an integral part of this course.

<u>Introduction to Engineering Design-PLTW</u>	8114	(CTE)	11, 12	1.0
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This course teaches problem-solving skills using a design development process. Models of product solutions are created analyzed and communicated using solid modeling computer design software. In NYS the course is called Design and Drawing for Production and follows the syllabus developed by the State Education Department. Participation in the TSA youth organization may be an integral part of this course.

<u>Digital Electronics-PLTW</u>	8115	(CTE, AAF-S)	11, 12	1.0
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This course teaches in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices. Participation in the TSA youth organization may be an integral part of this course. Participation in the TSA youth organization may be an integral part of this course.

<u>Introduction to Engineering and Technical Design</u>	8118	(CTE)	10-12	1.0
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This course introduces high school students to the engineering design process and properties of good design. Students will plan, complete, and document a number of analysis-based designs. Skills will be developed in the creation of memos, design reports, and technical drawings using CAD.

<u>Aerospace Engineering-PLTW</u>	9125	(CTE)	11, 12	1.0
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The Aerospace Engineering (AE) course will expose students to the world of aeronautics, flight, and engineering. Students will be introduced to activity-based, project-based, and problem-based learning through exploring the world of aerospace engineering. Students will use physics, mathematics, and technology education. Participation in the TSA youth organization may be an integral part of this course.

SKILLED AND TECHNICAL SCIENCES

AUTOMOTIVE TECHNOLOGY

A fee may be required in these courses

<u>Introduction to Automotive</u>	8251	(CTE)	10-12	.5/1.0
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This is a program with a sequence of courses that prepares individuals to engage in the servicing and maintenance of all types of automobiles. Instruction includes training in safety, the diagnosis of malfunctions and repair of engines, fuel, electricity/electronics, cooling, brake systems, drive trains, and suspension systems. Instruction is also given in the adjustment and repair of individual components and systems. These courses are based on the Automotive Service Excellence (ASE) task list. Work ethics and productivity are an integral part of the classroom and lab activities of these courses. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>ASE Chassis MLR</u>	8252	(CTE)	10-12	1.0
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This is a program with a sequence of courses that prepares individuals to engage in the servicing and maintenance of all types of automobiles. Instruction includes training in safety, the diagnosis of malfunctions and repair of engines, fuel, electricity/electronics, cooling, brake systems, drive trains, and suspension systems. Instruction is also given in the adjustment and repair of individual components and systems. These courses are based on the Automotive Service Excellence (ASE) task list. Work ethics and productivity are an integral part of the classroom and lab activities of these courses. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>ASE Brakes</u>	8254	(CTE)	11, 12	.5/1.0
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This is a program with a sequence of courses that prepares individuals to engage in the servicing and maintenance of all types of automobiles. Instruction includes training in safety, the diagnosis of malfunctions and repair of engines, fuel, electricity/electronics, cooling, brake systems, drive trains, and suspension systems. Instruction is also given in the adjustment and repair of individual components and systems. These courses are based on the Automotive Service Excellence (ASE) task list. Work ethics and productivity are an integral part of the classroom and lab activities of these courses. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>ASE Steering and Suspension</u>	8255	(CTE)	11, 12	.5/1.0
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This is a program with a sequence of courses that prepares individuals to engage in the servicing and maintenance of all types of automobiles. Instruction includes training in safety, the diagnosis of malfunctions and repair of engines, fuel, electricity/electronics, cooling, brake systems, drive trains, and suspension systems. Instruction is also given in the adjustment and repair of individual components and systems. These courses are based on the Automotive Service Excellence (ASE) task list. Work ethics and productivity are an integral part of the classroom and lab activities of these courses. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>ASE Electrical/Electronics</u>	8256	(CTE)	11, 12	.5/1.0
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This is a program with a sequence of courses that prepares individuals to engage in the servicing and maintenance of all types of automobiles. Instruction includes training in safety, the diagnosis of malfunctions and repair of engines, fuel, electricity/electronics, cooling, brake systems, drive trains, and suspension systems. Instruction is also given in the adjustment and repair of individual components and systems. These courses are based on the Automotive Service Excellence (ASE) task list. Work ethics and productivity are an integral part of the classroom and lab activities of these courses. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>ASE Engine Performance</u>	8257	(CTE)	11, 12	.5/1.0
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This is a program with a sequence of courses that prepares individuals to engage in the servicing and maintenance of all types of automobiles. Instruction includes training in safety, the diagnosis of malfunctions and repair of engines, fuel, electricity/electronics, cooling, brake systems, drive trains, and suspension systems. Instruction is also given in the adjustment and repair of individual components and systems. These courses are based on the Automotive Service Excellence (ASE) task list. Work ethics and productivity are an integral part of the classroom and lab activities of these courses. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Small Vehicle Technician</u>	8253	(CTE)	10-12	.5/1.0
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This is a course that prepares individuals to apply technical knowledge and skill to maintain and repair small internal-combustion engines used on portable power equipment, such as lawnmowers, chain saws, rotary tillers, motorcycles, ATV vehicles, and snowmobiles. Work ethics, productivity, and safety are an integral part of the classroom and laboratory activities of this course. Participation in the SkillsUSA leadership youth organization may be an integral part of this course.

<u>Basic Auto Collision</u>	8263	(CTE)	10-12	.5
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This course is the first in a sequence of courses that prepares individuals in repair and refinishing of uni-bodies and fenders of automobiles. This course is an introduction in non-structural repairs and various methods of refinishing and safety training. This course is based on the Automotive Service Excellence (ASE) automotive collision task list and the I-CAR training program. Industry work ethic standards and productivity are an integral part of the classroom and laboratory activities of this program as determined in the Professional Development Program (PDP). Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Collision Non-Structural Repair</u>	8261	(CTE)	10-12	.5/1.0
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This is a course that prepares individuals to repair automotive, uni-bodies, fenders, and frames of automobiles. Instruction includes training in non-structural repairs. This course is based on the Automotive Service Excellences (ASE) automotive collision task list and the I-CAR training program. Work ethics and productivity are an integral part of the classroom and

laboratory activities of this program. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Collision Refinishing and Painting</u>	8262	(CTE)	10-12	.5/1.0
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This course prepares individuals to repair automotive, uni-bodies, fenders, and frames of automobiles. Instruction includes training in refinishing and painting. This course is based on the Automotive Service Excellence (ASE) automotive collision task list and the I-CAR training program. Work ethics and productivity are an integral part of the classroom and laboratory activities of this program. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Diesel Technician</u>	9006	(CTE)	10-12	1.0
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This is an activity-based class that will prepare individuals to work on heavy-duty diesel equipment. Tool and shop safety will be important parts of the course curriculum. Industry work ethics standards and productivity are an integral part of the classroom and laboratory activities of this program. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Medium/Heavy Duty Vehicle Systems</u>	9007	(CTE)	10-12	1.0
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This is an activity-based course that will prepare students to repair and work on heavy-duty diesel equipment such as semi-tractor trucks, tractors, large diesel generators, and construction equipment. The focus will be on the safe use of hand and power equipment, understanding of diesel systems, and rebuilding a large diesel engine. This is an activity-based/laboratory class. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

COMMUNICATION TECHNOLOGY
A fee may be required in these courses

<u>Television Broadcasting 1</u>	8504	(CTE)	10-12	.5/1.0
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This course is designed to provide students with the basic knowledge and skills related to the television broadcasting industry. Instruction includes hands-on assignments in the following areas: camera operation, audio systems, lighting systems, pre-production, studio operations, control room operations, visual effects and graphics, and copyright laws. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Television Broadcasting 2</u>	8507	(CTE)	11, 12	.5/1.0
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Prerequisite: Television Broadcasting 1
This course is designed to provide students with the advanced knowledge and skills related to the television broadcasting industry. Instruction includes hands-on assignments in the following areas: camera operation, audio systems, lighting systems, pre-production, studio operations, control room operations, visual effects and graphics, and copy right laws. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Video Production 1</u>	8508	(CTE)	10-12	.5/1.0
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This course is designed to provide students with the basic knowledge and skills related to the television production industry. Instruction includes hands-on assignments in the following areas: camera operation, recording audio, lighting systems, pre-production, production, post production, visual effects and graphics, and copyright laws. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Video Production 2</u>	8509	(CTE)	11, 12	.5/1.0
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Prerequisite: Video Production 1
This course is designed to provide students with the advanced knowledge and skills related to the television production industry. Instruction includes hands-on assignments in the following areas: camera operation, recording audio, lighting systems, pre-production, production, post production, visual effects and graphics, and copyright laws. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Introduction to Graphic Communication</u>	8600	(CTE)	10-12	.5
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This course is designed to provide students with the basic knowledge and skills related to the graphic design and printing industries. It includes instruction and hands-on assignments in the following areas: History, design and layout digital image prep, image assembly/plate making, press operations, finishing and binding, screen printing, job application and interpersonal skills. The curriculum is based on PrintED competencies. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Intermediate Graphic Communication</u>	8601	(CTE)	10-12	.5
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Prerequisite: Introduction to Graphic Communication
This course is designed to be a continuation of Introduction to Graphic Communication. The course prepares individuals to apply technical knowledge in the areas of design and layout, digital image prep, image capture, digital file output, press operations, finishing and binding, and screen printing. The course includes instruction in printing, lithographic equipment and operation, computer hardware and software, digital imaging, print preparation, and electronic prepress. The curriculum is based on PrintED competencies. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Advanced Production Graphics</u>	8602	(CTE)	11, 12	1.0
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Prerequisite: Intermediate Graphic Communication
This course is designed to provide students with theory and hands-on experiences relative to the printing industry. The skills of the printing industry will be built upon by giving more real world experiences in the areas of digital file preparation, image capture, digital file output, press operations, binding and finishing, measurement, and basic math. The curriculum is aligned with the "Introduction to Graphic Communications" Printed competencies. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

DESIGN TECHNOLOGY (Drafting)
A fee may be required in these courses

<u>Technical Design 1</u>	8400	(CTE)	10-12	.5/1.0
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This is the first instructional course in a sequence of courses that prepares the individuals to develop technical knowledge and skills required to plan and prepare scale pictorial interpretations of engineering and design concepts. This includes instruction in the use of 2D/3D/ CAD software, sketching, drawing, layout, geometric construction, orthographic projection, and dimensioning. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Technical Design 2</u>	8402	(CTE)	11, 12	.5/1.0
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Prerequisite: Technical Design 1

Advanced drafting is the second step in understanding the application required to produce a workable drawing. Good sketching techniques should be emphasized when preparing to start a working drawing. Drawings that are assigned should complement the competency and require the student to solve problems, not just copy. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Architectural Design 1</u>	8403	(CTE)	10-12	.5/1.0
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This is the first instructional course in a sequence of courses that prepares individuals with knowledge of residential architectural and related construction. This course includes instruction in architectural blueprint reading, sketching, residential floor plans, exterior elevations, and use of CAD software. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Architectural Design 2</u>	8401	(CTE)	11, 12	.5/1.0
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Prerequisite: Architectural Design 1

This is the second instructional course in a sequence of courses that prepares individuals with knowledge of residential architectural and related construction. This course includes instruction in building materials, building codes, typical wall sections, interior elevations, plot plans, Specifications, electrical plans, architectural renderings, and Computer-Aided Design (CAD) software with a major emphasis on 3D. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Introduction to Engineering and Technical Design</u>	8118	(CTE)	10-12	1.0
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This course introduces high school students to the engineering design process and properties of good design. Students will plan, complete, and document a number of analysis-based designs. Skills will be developed in the creation of memos, design reports, and technical drawings using CAD.

ELECTRONICS TECHNOLOGY
A fee may be required in these courses

<u>Basic Electronics 1</u>	8500	(CTE)	10-12	.5
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This is an activity/theory-oriented course designed to provide each student with a fundamental understanding of the language, concepts, components, and equipment used in electronics. Some of the topics covered include safety, electrical current, voltage sources, electronic components & schematic symbols, resistive circuits, Ohm's Law, producing printed circuit boards, soldering, using multi meters and oscilloscopes, semiconductor fundamentals and devices, and an introduction to digital electronics. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Digital Electronics</u>	8502	(CTE, AAF-S)	10-12	1.0
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This course allows students to maximize their understanding of digital electronics. Students will study logical gates, encoders, decoders, flip-flops, counters, registers, arithmetic circuits, memories, and computers. Problem solving techniques and circuit design methods are an integral part of the curriculum. Using digital techniques, students will learn to assemble systems of their own design to suit any particular need. Students will also study computer control and learn to interface sensors, motors, lights, etc., to a computer. Students who are ready to focus on digital electronics or interested students with limited space in their schedule should consider taking this electronics course first. Participation in the SkillsUSA youth leadership organization may be an integral part of this courses.

<u>Electrician 1</u>	9005	(CTE)	11, 12	.5/1.0
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This is the first course in a series that prepares individuals to apply technical knowledge and skills to assemble, install, operate, maintain, and repair electrically energized systems, such as residential, commercial, industrial electric-power systems wiring, D.C. and A.C. motors, controls, and electrical distribution panels. It includes instruction in the use of advanced technology test equipment.

<u>Electrician 2</u>	9004	(CTE)	11, 12	.5/1.0
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Prerequisite: Electrician 1

This is the second course in a series that prepares individuals to apply technical knowledge and skills to assemble, install, operate, maintain, and repair electrically energized systems, such as residential, commercial, industrial electric-power systems wiring. D.C. and A.C. motors, controls, and electrical distribution panels. This course Includes instruction in the use of advanced technology test equipment. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

PROTECTIVE SERVICES

Law Enforcement 6131 (CTE) 10-12 .5

This is a program that prepares individuals to perform the duties of police security officers, including patrol and investigation activities, traffic control, crowd control, public relations, witness interviewing, and evidence collection and management. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

VISUAL ARTS TECHNOLOGY A fee may be required in these courses

Design and Visual Communications 8650 (A, CTE) 10-12 .5/1.0

A course in the applied visual arts that focuses on the general principles and techniques for effectively communicating ideas and information, and packaging products, in digital and other formats to business and consumer audiences, and that may prepare individuals in any of the applied art media. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

Commercial and Advertising Art 8651 (A, CTE) 10-12 .5/1.0

Prerequisite: Design and Visual Communications or Instructor approval

A course in the applied visual arts that prepares individuals to use artistic techniques to effectively communicate ideas and information to business and consumer audiences via illustrations and other forms of digital or printed media. Course includes instruction in concept design, layout, paste-up, and techniques such as engraving, etching, silkscreen, lithography, offset, drawing and cartooning, painting, collage, and computer graphics. These courses are based on the state task list. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

Basic Film Photography 8606 (A, CTE) 10-12 .5/1.0

This course is part of a sequence of courses that prepares individuals to use artistic techniques combined with a commercial perspective to effectively communicate ideas and information to business and consumer audiences via the use of black and white photography. Instruction includes training in specialized camera and equipment operation, film processing, dark room procedures, maintenance, applications to commercial and industrial needs, and photography business operations. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

Basic Digital Photography 8607 (A, CTE) 10-12 .5/1.0

This course is part of a sequence of courses that prepares individuals to use artistic techniques combined with a commercial perspective to effectively communicate ideas and information to business and consumer audiences via the use of advanced digital and/or film photography. Instruction includes training in career opportunities, workflow, specialized camera, equipment and accessories, memory devices, software operation, copyright, ethics, and legal issues as it applies to commercial and industrial needs, and photography business operations. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

Art Studio 2-D AP 8608 (A, CTE) 11, 12 1.0

Prerequisite: Instructor approval

This course involves purposeful decision-making about using the elements and principles of art. Students should demonstrate ability in 2-D design in a variety of art forms. These could include: graphic design, typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting, print making, etc. Participation in the SkillsUSA youth leadership organization may be an integral part of this course. University credit can be earned with successful performance on the Advanced Placement (AP) exam.

Advanced Commercial Photography 8609 (A, CTE) 11, 12 .5/1.0

Prerequisite: Film/Digital Photography

This course is part of a sequence of courses that prepares individuals to use artistic techniques combined with a commercial perspective to effectively communicate ideas and information to business and consumer audiences via the use of advanced digital and/or film photography. Instruction includes training in career opportunities, workflow, specialized camera, equipment and accessories, memory devices, software operation, copyright, ethics, and legal issues as it applies to commercial and industrial needs, and photography business operations. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

WELDING TECHNOLOGY A fee may be required in these courses

Welding Technician – Entry Level 8800 (CTE) 10-12 .5/1.0

This is a course that prepares individuals to apply technical knowledge and skill to use current welding processes, including robotics welding. These courses are based on the American Welding Society (AWS) task list. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

Welding Technician – Intermediate Level 8801 (CTE) 10-12 .5/1.0

Prerequisite: Welding Technician Entry Level

This is a course that prepares individuals to apply technical knowledge and skill at an advanced level to use current welding processes, including robotics welding. These courses are based on the American Welding society (AWS) task list. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Welding Technician – Advanced Level</u>	8802	(CTE)	11-12	.5/1.0
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Prerequisite: Welding Technician Intermediate Level

Students will learn more advanced skills in the welding processes that will prepare them to apply technical knowledge and skill in the workplace and in project construction. Student will learn and practice knowledge, attitude, skills, and habits required performing tasks autonomously, including the selection and use of appropriate techniques and equipment with minimum supervision. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

WOODWORKING TECHNOLOGY
A fee may be required in these courses

<u>Woodworking</u>	8902	(CTE)	10-12	.5/1.0
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This is the first instructional course in a sequence of courses that prepare individuals to use power tools and machinery. This is an activity-oriented course open to all students that covers the fundamentals of woodworking. Students receive instruction related to safety, proper use of tools, operation of woodworking equipment, joinery, wood finishing, and the many processes used to transform lumber into finished products. Student projects are an important part of the course. This course prepares students for advanced woodworking courses. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Furniture Design and Manufacturing 1</u>	8903	(CTE)	10-12	.5/1.0
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Prerequisite: Woodworking

This second course in a sequence that prepares individuals to apply technical knowledge and skills to prepare and execute furniture design projects; assemble and finish furniture articles; repair furniture; and stresses the safe use a variety of hand and power tools and machinery. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Furniture Design and Manufacturing 2</u>	8904	(CTE)	10-12	1.0/2.0
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Prerequisite: Furniture Design and Manufacturing 1

An advanced course in a sequence of courses that prepares individuals to apply technical knowledge and skills to prepare and execute furniture design projects; assemble and finish furniture; repair furniture; and stresses the safe use a variety of hand and power tools and machinery. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Cabinetmaking and Millwork</u>	8910	(CTE)	11, 12	1.0/2.0
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Prerequisite: Woodworking and Instructor approval

This is an advanced course in a sequence of courses that prepare individuals to apply technical knowledge and skills to operate industrial woodworking machinery, and to use machinery to design and fabricate custom cabinets and architectural millwork. It stresses the safe use of trade hand and power tools and machinery used in the production of millwork items. Cabinets, such as kitchen and vanities are constructed, finished, and installed as part of this program. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Carpentry 1</u>	8913	(CTE)	11, 12	.5
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This is the first course in a series that prepares individuals to layout, fabricate, erect, install and repair wooden structures and fixtures using hand and power tools. It includes instruction in common systems of framing, construction materials, estimating, blueprint reading, concrete placing, siding and mechanical systems. These courses are based on the current National Center for Construction Education and Research (NCCER) task list. Participation in the SkillsUSA youth leadership organization may be an integral part of this course

<u>Carpentry 2</u>	8914	(CTE)	11, 12	.5/1.0
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Prerequisite: Carpentry 1

This is the second course in a series that prepares individuals to layout, fabricate, erect, install and repair wooden structures and fixtures using hand and power tools. It includes instruction in common systems of framing, construction materials, estimating, blueprint reading, concrete placing, siding and mechanical systems. These courses are based on the current National Center for Construction Education and Research (NCCER) task list. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

<u>Construction Trades Foundation</u>	8912	(CTE)	10-12	.5/1.0
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A course that prepares individuals in the following areas: basic safety, introduction to blueprint reading, introduction to power tools, introduction to hand tools, and introduction to construction math. It also includes an industry overview, what to expect on the job and specific career opportunities. The student will be involved in replica house building on a scale model. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.

Most of the Jordan Applied Technology Center (JATC) and Canyons Technology Center (CTEC) programs are full-year programs, but a few programs are only semester-long programs. Each program description is followed by a chart which lists the required courses for that program along with the type and amount of graduation which is possible for each course. If concurrent enrollment (CE) is available, it is also included in the chart. However, concurrent enrollment is subject to change based on college and department stipulations.

JORDAN APPLIED TECHNOLOGY CENTER

Agricultural

Veterinary Science: Veterinary Assistant

This full-year program prepares students to assist veterinarians in performing physical exams, administering treatments, collecting and performing laboratory tests, applying bandages, and performing dental exams. Students learn to keep animal health records and perform a wide range of practical nursing duties. Students will learn anatomy and physiology of large and small animals. Participation in the FFA youth leadership organization may be an integral part of this program.

Course Title	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
Veterinary Science: Veterinary Assistant	9019	CTE, AAF-S	11-12	2	
Animal Science 2	8203	CTE, AAF-S	11-12	1	
Equine Science	8213	CTE	11-12	1	

Veterinary Science: Veterinary Technician

Prerequisite: Veterinary Assistant

This second-year program, for seniors, is a continuation of the veterinary assistant course. The course prepares the student to perform critical care nursing duties, take and develop radiographs, administer and monitor patients under anesthesia, and record EKG's. The students learn how to calculate medication and how the medication affects the patient. Course fees and individual transportation may be required. Participation in the FFA youth leadership organization may be an integral part of this program.

Course Title	Course Code	Type of Credit	Grade Level	High School Credit	CE Credits
Veterinary Science: Veterinary Technician	9020	CTE, AAF-S	12	4	

Family and Consumer Sciences

Teacher/Para-education

The courses in this full-year program are designed to introduce students to the field of education including special education, para-education, or other careers in disability services. This program offers a starting point for an education pathway at most Utah colleges and universities. Students will gain hands on experience working with children with disabilities. Students learn instruction, data collection and assessment that can be used in public school classrooms, community settings, and adult education settings

Course Title	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
PED 1010 Introduction to Paraeducation	9940	Elective	11-12	1	3
PED 2150 Introductory Experience	9942	Elective	11-12	.5	3
PED 2160 Introductory Experience Practicum	9943	Elective	11-12	.5	1
EDU 1010 Orientation to Education	9948	Elective	11-12	1	3
FHS 1500 Human Development Across the Life Span	9929	CTE	11-12	1	3

Health Sciences

Biotechnology

This full-year program is a laboratory-based class that focuses on the basic principles and techniques associated with the field of biotechnology. Students will be introduced to contemporary laboratory techniques and state-of-the-art computer technology used to analyze biological information. Topics such as forensics, genetics, agriculture biotech, bioethics, and biotech careers will also be covered. Participation in the SkillsUSA youth leadership organization may be an integral part of this program.

Course Title	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
Biotechnology	9107	CTE, AAF-S	11-12	2	
BTEC 1010 Fundamentals of Biotechnology 1	9846	CTE, AAF-S	11-12	1	3
BTEC 1015 Fundamentals of Biotechnology 1 Lab	9877	CTE, AAF-S	11-12	1	1

Advanced Biotechnology

Prerequisite: Biotechnology

This full-year program is designed as a follow up to the Biotechnology class. Students will expand and build on their previous experience. Participation in the SkillsUSA youth leadership organization may be an integral part of this program.

Course Title	Course Code	Type of Credit	Grade Level	High School Credits	CE Credits
Advanced Biotechnology	9111	CTE, AAF-S	12	1-2	
BTEC 1080 Biotechnology Experience	9878	CTE, AAF-S	12	1	3

Dental Assistant

This full-year program prepares individuals to perform routine tasks under the supervision of a dentist. Students will work on hands-on tasks in treatment room procedures, reception functions, and selected laboratory procedures. The clinical aspect of study includes the preparation of the patient and assisting the dentist in all kinds of dental procedures during a required

externship. Course fees and individual transportation may be required. Participation in the HOSA youth leadership organization may be an integral part of this program.

Course Title	Code	Type of Credit	Grade Levels	High School Credits	CE Credits
Dental Assistant	9100	CTE	11-12	3	
Intro to Health Science	7101	CTE, HE	11-12	.5	
Advanced Health Science	3175	CTE	11-12	.5	

Emergency Medical Technician (EMT)

This semester-long program prepares students with the skills to function as an EMT-Basic and to administer Basic Life Support by: Assessing patients/Bandaging, splinting and immobilizing procedures/ Administering first aid/Assisting with allowed medications of patients/lifting, moving and transporting patients/Working as a member of a medical team/Airway stabilization/Medical terminology/Operating an automated external defibrillator /Anatomy and physiology/Assisting patients in childbirth/measure and monitor vital signs. Participation in the HOSA youth leadership organization may be an integral part of this program.

Course Title	Course Code	Type of Credit	Grade Level	High School Credits	CE Credits
Emergency Medical Technician (EMT)	9104	CTE	12	1	
Emergency Medical Responder (EMR)	9123	CTE	12	.5	
MA 1100 Medical Terminology or Medical Terminology	9725 or 9122	CTE	12	.5 or .5	2

Medical Assistant

This year-long program prepares 12th Grade students to assist physicians by performing both business administration and clinical duties in a medical office. Business aspects of instruction cover insurance, medical records, and medical transcription. Clinical aspects of study include preparation of the patient for examination, taking/assessing of vital signs, performing injections and venipuncture, performing some invasive procedures, assisting with examination and treatment, and the use of the electrocardiograph machine. This course requires a clinical externship in a medical facility. Course fees and individual transportation may be required. Participation in the HOSA youth leadership organization may be an integral part of this program.

Course Title	Course Code	Type of Credit	Grade Level	High School Credits	CE Credits
Medical Assistant	9102	CTE	12	3	
HTHS 1101 Medical Terminology or Medical Terminology	9119 or 9122	CTE	12	.5 or .5	2
Advanced Health Science	3175	CTE	12	.5	

Nurse Assistant (CNA)

This semester-long program prepares individuals to perform routine nursing-related services to patients in hospitals or long-term care facilities, under the training and supervision of a registered nurse or licensed practical nurse. Upon successful course completion, state certification is offered through both written and skills (hands-on) testing. The course requires regular attendance and additional clinical hours outside of the classroom. These clinical hours are performed during the afternoon/evening hours at a long-term care center and/or a hospital. Course fees and individual transportation may be required. Participation in the HOSA youth leadership organization may be an integral part of this program.

Course	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
Nurse Assistant (CNA)	9103	CTE	11-12	1	
MA 1100 Medical Terminology or Medical Terminology	9725 or 9122	CTE	11-12	.5 or .5	2
HLTH 1200 First Aid and Safety	9114	CTE	11-12	.5	3

Occupational Therapy

This semester-long program is designed to help students decide if they would like to pursue a career in Occupational Therapy. This health profession provides services to children and adults of all ages whose lives have been disrupted by physical injury or illness, developmental problems, the aging process and/or psychosocial dysfunction. Occupational Therapy Assistants use occupation and purposeful activity with clients/patients to help them reach their maximum level of independence. Students will learn components of occupational therapy including anatomy and physiology, communication, evaluation, patient care skills, CPR and first aid. In addition students are required to travel to a variety of clinical settings. Participation in the HOSA youth leadership organization may be an integral part of this program.

Course Title	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
OTA 1020 Intro to Occupational Therapy	9170	CTE	11-12	1	2
MA 1100 Medical Terminology or Medical Terminology	9725 or 9122	CTE	11-12	.5 or .5	2
Advanced Health Science	3175	CTE	11-12	.5	

Pharmacy Technician

This is a full-year instructional program that prepares individuals to support pharmacists by providing assistance with counter dispensing operations, and prescription preparation; keeping patient and related health record information; and by performing a wide range of practice-related duties for both retail and hospital-based pharmacies. Participation in the HOSA youth leadership organization may be an integral part of this program.

Course Title	Course Code	Type of Credit	Grade Level	High School Credits	CE Credits
Pharmacy Technician	9108	CTE	12	3	
HTHS 1101 Medical Terminology or Medical Terminology	9119 or 9122	CTE	12	.5 or .5	2
Advanced Health Science	3175	CTE	12	.5	

Physical Therapy

This **semester** program is designed to help students decide if they would like to pursue a career in physical therapy. Students will learn components of physical therapy including anatomy and physiology, communication, evaluation and treatment of injury, patient care skills, CPR and first aid. In addition students are required to travel to a variety of clinical settings twice a week. Participation in the HOSA youth leadership organization may be an integral part of this program.

Course Title	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
Physical Therapy	9121	CTE	11-12	3	
HTHS 1101 Medical Terminology or Medical Terminology	9119 or 9122	CTE	11-12	.5 or .5	2
PTA 1010 Introduction to Physical Therapy	9170	CTE	11-12	.5	2
Advanced Health Science	3175	CTE	11-12	.5	

Surgical Technology

This is a full-year instructional program that prepares individuals to perform general technical support tasks in the operating room before, during, and after surgery. Includes instruction in pre-operation patient and surgical team preparation, handling surgical instruments at table side, supply inventory maintenance before and during operations, sterilization and cleaning of equipment, maintaining clean and sealed environments, operating room safety procedures, and record-keeping. Participation in the HOSA youth leadership organization may be an integral part of this program.

Course Title	Course Code	Type of Credit	Grade Level	High School Credits	CE Credits
SURG 1200 Intro to Surgical Technology	9852	CTE	12	2	6
SURG 1250 Advanced Surgical Theory	9853	CTE	12	2	6
Required Summer Courses					
MA 1100 Medical Terminology	9725	CTE	12	.5	2
BIOL 2320/2325 Human Anatomy and Lab	3218 and 3219	CTE, AAF-S	12	1	4
BIOL 1610/1615 College Biology 1 and Lab	3242 and 3243	BS	12	1	4
COMM 1010 Elements of Effective Communication	9829	CTE, Sr. LA	12	.5	3

Information Technology

Digital Media Design/Development/Production

Digital media is the process of planning, instruction design, and development. In this course students will create and learn using elements of text, graphics, animation, 2-D, and 3-D graphics, sound video, and digital imaging to create digital computer applications to be delivered on CD-ROM, Internet or other media. These skills will prepare students for entry-level multimedia positions and will provide fundamental digital media understandings and skills beneficial for other occupational/educational endeavors. Students may choose to enroll in this program for a semester a full-year.

Course Title	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
Digital Media/Design/Development/Production	9015	CTE	11-12	1~3	
New and Emerging Technology	9185	CTE	11-12	.5	
Gaming Development Fundamentals	9184	CTE	11-12	.5	
Intro to Information Technology	8120	CTE	11-12	.5	
3D Graphics	8130	CTE	11-12	.5	
3D Animation	8131	CTE	11-12	.5	

Web Development

Web Development industry certification programs target individuals interested in demonstrating the baseline of technical knowledge that would allow them to pursue a variety of Internet-related careers. iNet+ is accepted by all other Internet certification programs as a fundamental (beginning) level certification, and is a good place to start. iNet+ is a vendor-neutral, entry-level Internet certification program that tests baseline technical knowledge of Internet, Intranet, and Extranet technologies, independent of specific Internet-related career roles. Learning objectives and domains examined include Internet basics, Internet clients, development, networking, security, and business concepts. CIW and WOW build upon the iNet+ curriculum. Students may choose to enroll in this program for a semester a full-year.

Course Title	Course Code	Type of Credit	Grade Level	High School Credits	CE Credits
Web Development	9110	CTE	11-12	1~3	
Intro to Information Technology	8120	CTE	11-12	.5	
New and Emerging Technology	9185	CTE	11-12	.5	
Mobile Development Fundamentals	9181	CTE	11-12	.5	
HTML 5 App Development Fundamentals	9183	CTE	11-12	.5	

Skilled and Technical Sciences

Collision Repair Technician

First Year: Students will be able to diagnose and repair collision damage. They will gain a basic understanding of: estimating, metal repair, paint chemistry/application, fiberglass and plastic repair, and automotive-related welding.

Second Year: Students will further develop their first year skills and be able to pursue their areas of interest in more detail. This course provides student with entry level knowledge and skills as an Auto Collision Technician. It also prepares students for opportunities in post-secondary education as an Auto Collision Technician. Participation in the SkillsUSA youth leadership organization may be an integral part of this program. This is a full-year program.

Course Title	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
Collision Nonstructural Repair	8261	CTE	11-12	1.5	
AR1100 Auto Refinishing	9017	CTE	11-12	.5	5
AR1111 Refinishing Skill Development	9018	CTE	11-12	2	7

Heavy Duty Diesel Mechanic

Course Title	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
Diesel Technician	9006	CTE	11-12	1	
Medium/Heavy Duty Vehicle Systems	9007	CTE	11-12	1	
DST 1045 Safety/Basic Diesel Theory	9040	CTE	11-12	1	4
DST 1065 Safety/Basic Engine Performance Theory	9042	CTE	11-12	1	4

Commercial Aircraft Pilot

This full-year program has a sequence of courses that prepares individuals to apply technical knowledge and skills to the operation, flying, and navigation of commercial aircraft. This program operates on the basis of the Federal Aviation Administration (FAA) rules and regulations. Participation in the SkillsUSA youth leadership organization may be an integral part of this program. *Note PILT 1040 and 1140 are taught at Salt Lake Community College after school hours

Course Title	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
PILT 1100 Private Pilot Ground School	3202	CTE	11-12	.5	4
PILT 1110 Private Pilot Fixed Wing Simulator Lab	3214	CTE	11-12	.5	1
PILT 1420 Aircraft Systems	3216	CTE	11-12	1	3
PILT 1010 Air Transportation	3217	CTE	11-12	1	3
PILT 1050 Aviation History	3201	CTE	11-12	1	2
<i>Optional Courses – Taken at SLCC outside of regular class time.</i>					
PILT 1040 Aviation Orientation	3200	CTE	11-12	.25	1
PILT 1140 Solo Pilot Certification Lab	3204	CTE	11-12	.25	1

Fire Science

This full-year program is designed to build teamwork and help safely fight fires in a variety of situations including structural, wild land, automobile, and Hazmat incidents. The program uses hands on approach that develops skills within specific evolutions. It uses coaching techniques to provide a better overall understanding of the topics being taught. Key content includes: safety, Incident Command Systems (ICS), fire behavior, Self-Contained Breathing Apparatuses (SCBA), fire attack, search and rescue, ventilation, salvage and overhaul, vehicle fires, Hazmat, and brush fires. Participation in the SkillsUSA youth leadership organization may be an integral part of this program.

Course Title	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
Fire Science	9109	CTE	11-12	3~4	
ESFF 1000 Survey of Fire Rescue & Emergency Services	9160	CTE	11-12	1	4

Technology and Engineering

Engineering

The Engineering program at the Jordan Applied Technology Center consists of 4 courses to help students understand the field of engineering/engineering technology. Students will develop a solid foundation of pre-engineering, research, and design skills as well as learn concepts from the "Project Lead the Way" program. Project Lead the Way (PLTW) is the leading provider of rigorous and innovative Science, Technology, Engineering, and Mathematics (STEM) education curricular programs used in middle and high schools across the U.S. STEM education is at the heart of today's high-tech, high-skill global economy. The hands-on, project-based engineering courses that we have at the school engage students on multiple levels expose them to areas of study that they typically do not pursue, and provide them with a foundation and proven path to college and career success. Students may register for up to 2 engineering courses per year as a junior and senior.

The Principles of Engineering course helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The Introduction to Engineering Design course teaches problem-solving skills using a design development process. Models of product solutions are created analyzed and communicated using solid modeling computer design software. Participation in the TSA youth organization may be an integral part of this program.

Course Title	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
ENGR 1000 Intro to Engineering Design or Principles of Engineering	9821 or 8110	CTE, AAF-S	11-12	2 or 2	2 or n/a
EDDT 2710 Auto Desk 3D Modeling or Intro to Engineering Design	9817 or 8114	CTE	11-12	2 or 2	2 or n/a

Additional course options are available through the Engineering program if students have taken the following prerequisite courses: ENGR 1000 Introduction to Engineering Design or Principles of Engineering-PLTW and EDDT 2710 Auto Desk 3D Modeling /or Intro to Engineering and Technical Design

The Computer Integrated Manufacturing course applies principles of robotics and automation. The course builds on computer solid modeling skills developed in the Introduction to Engineering Design course. Students use CNC equipment to produce actual models of their three-dimensional designs. Engineering Design & Development is a course in which students work in teams to research, design and construct a solution to an open-ended engineering problem. They submit a final report and defend their solutions to a panel of reviewers at the end of the school year. Participation in the TSA youth organization may be an integral part of this program.

Course Title	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
Computer Integrated Manufacturing	8112	CTE	12	2	
Engineering Design and Development	8113	CTE	12	2	

CANYONS TECHNICAL EDUCATION CENTER

Agriculture

Greenhouse Management and Floriculture (Horticulture) 9010

This is a full-year program. Fall semester courses prepare individuals for entering the fields of floral design and greenhouse management as well as preparation for related college courses. Topics include floral design principles and arrangements, plant and flower identification, greenhouse structures, crop scheduling, plant science, business skills, and interiorscaping. Activities include field trips, internships, FFA floriculture competitions, growing poinsettias, and service projects. Participation in the FFA youth leadership organization may be an integral part of this program. Spring semester courses are designed to train students to enter the retail or wholesale nursery industry, to explore the field of landscape design and to prepare students for related college courses. Topics include landscape design, installation and maintenance, nursery operation, plant identification, sprinklers, pruning, salesmanship, business skills, and bedding plant production. Activities include field trips, internships, FFA Nursery and Landscape competition, project house and Tech Center landscaping, interiorscaping, and service projects. Participation in the FFA youth leadership organization may be an integral part of this program.

Course	Code	Type of Credit	Grades	Credits	CE Credits
Green House Management and Floriculture	9010	CTE	11-12	1	
Plant and Soil Science 1	8210	CTE, AAF-S	11-12	1	
Plant and Soil Science 2	8211	CTE	11-12	1	
Landscape Management	9011	CTE	11-12	1	

Business

Business Leadership 9000

In this full-year program, students work as a professional employee in a simulated business environment. They are empowered by being in charge of their own learning. They obtain actual management experience to put on a resume. Students are trained to a master level in Business Management, Business Communication, and Information Management and build an impressive job portfolio of competency certificates to guarantee knowledge and skills to employers and/or colleges. Students learn success strategies to start their own businesses and create an actual strategic business plan and operational plan. Students complete Time Management and Maximum Achievement—the keys to peak performance and personal leadership—seminars.

Course Title	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
Business Law	8306	CTE	11-12	.5	
Leadership Management Principals	8358	CTE	11-12	.5	
Entrepreneurship/Business or MGT 1100 Small Business Management	8326 or 9845	CTE	11-12	.5 or .5	3
Computer Tech 2	8316	CTE	11-12	.5	
Business Management or MGT 1600 Management Essentials	8308 or 9847	CTE	11-12	.5 or .5	3
Business Communication 1 or COMM 1010 Elements of Effective Communication	8305 or 9829	CTE, Sr. LA	11-12	.5 or .5	3
Business Communication 2 or COMM 1020 Principles of Public Speaking	8319 or 9830	CTE	11-12	.5 or .5	3
Word Processing	8318	CTE	11-12	.5	

Health Science

Emergency Medical Technician (EMT) 9104

This semester-long program prepares students with the skills to function as an EMT-Basic and to administer Basic Life Support by: Assessing patients/Bandaging, splinting and immobilizing procedures/ Administering first aid/Assisting with allowed medications of patients/lifting, moving and transporting patients/Working as a member of a medical team/Airway stabilization/Medical terminology/Operating an automated external defibrillator /Anatomy and physiology/Assisting patients in childbirth/measure and monitor vital signs. Participation in the HOSA youth leadership organization may be an integral part of this program.

Course Titles	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
Emergency Medical Technician (EMT)	9104	CTE	12	1	
Emergency Medical Responder (EMR)	9123	CTE	12	.5	
Medical Terminology or MA 1100 Medical Terminology	9122 or 9725	CTE	12	.5 or .5	2

Medical Assistant**9102**

This year-long program prepares 12th Grade students to assist physicians by performing both business administration and clinical duties in a medical office. Business aspects of instruction cover insurance, medical records, and medical transcription. Clinical aspects of study include preparation of the patient for examination, taking/assessing of vital signs, performing injections and venipuncture, performing some invasive procedures, assisting with examination and treatment, and the use of the electrocardiograph machine. This course requires a clinical externship in a medical facility. Course fees and individual transportation may be required. Participation in the HOSA youth leadership organization may be an integral part of this course.

Course Title	Code	Type of Credit	Grade Levels	High School Credits	CE Credits
Medical Assistant	9102	CTE	11-12	2	
Emergency Medical Responder (EMR)	9123	CTE	11-12	.5	
Introduction to Health Science	7101	CTE, HE	11-12	.5	
Advanced Health Science	3175	CTE	11-12	1	

Medical Forensics**9124**

This year-long program is designed to create an awareness of the branch of health science relating to medical forensics. This course focuses on introductory skills and assessment in order to develop the ability to identify, analyze, and process logically using deductive reasoning and problem solving. Medical forensics involves many aspects of health science instruction including laboratory skills and safety, microscopy, toxicology, measurement, physical evidence identification, pathology, anthropology, entomology, psychology, blood spatter analysis, and career exploration.

Course Title	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
Medical Forensics	9124	CTE	11-12	1	
Advanced Health Science	3175	CTE	11-12	1	

Nurse Assistant (CNA)**9103**

This semester-long program provides education and skills training necessary to prepares individuals to take the state written and skills (hands-on) certification exam upon successful program completion. Students will be ready to perform basic nursing (patient care) skills to meet the needs of patients in hospitals or long-term care facilities under the training and supervision of a registered nurse or licensed practical nurse. The program requires attendance for all classroom instruction as well as 100 clinical hours outside of the classroom. These clinical hours are performed during weekday afternoon/evening or Saturday morning hours at a long-term care center and/or a hospital. Course fees and individual transportation to clinicals are required. Five concurrent enrollment college credits are available from Medical Terminology and First Aid/CPR certification also included in this course. Participation in the HOSA youth leadership organization may be an integral part of this program.

Course Title	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
Nurse Assistant	9103	CTE	11-12	.5	
Medical Terminology /or MA 1100 Medical Terminology	9122 or 9725	CTE	11-12	.5 or .5	2
Emergency Medical Responder (EMR) / or HLTH 1200 First Aid and Safety	9123 or 9114	CTE	11-12	.5 or .5	3

Information Technology**Computer Programming****9101**

This hands-on full-year program is an introductory course in computer science. Students learn the fundamental skills of software development. Students learn the basics of computer programming implementation and design. They are introduced to building programs for Microsoft Windows, the Internet, game systems, and Lego robotics. Students gain college credit that creates an excellent foundation to pursue a degree and /or career in any computer related field. Participation in the SkillsUSA youth leadership organization may be an integral part of this program.

Course Title	Course Code	Type of Credit	Grade Level	High School Credits	CE Credits
Intro to Information Technology	8120	CTE	11-12	.5	
Computer Science AP	8123	CTE, AAF-M	11-12	.5	
CS 1400 Fundamental Programming	5711	CTE, AAF-M	11-12	1	3
CS 1410 Object Programming	5712	CTE, AAF-M	11-12	1	3
Database Development	9060	CTE	11-12	1	

Digital Media**9015**

First Year: This full-year program consists of: Digital Media I (Design & Development), Digital Media II (Production), and 3-D Animation. Students will have the opportunity to develop a variety of skills in areas such as: graphics, text, animation, audio, video, project management, script writing, storyboarding, design skills, and project evaluation. After completion of the program, all students will leave with a professional digital portfolio containing their work.

Second Year: Students will work with 3D graphics and animation, develops websites, and will specialize in a topic of their choice for further portfolio development. The 3D Animation unit will include production techniques like script writing and character development, in addition to learning technical skills such as modeling, lighting, textures, camera movement, and animation. Participation in the SkillsUSA youth leadership organization may be an integral part of program.

Course Title	Course Code	Type of Credit	Grade Level	High School Credits	CE Credits
Intro to Information Technology	8120	CTE	11-12	.5	
3D Graphics	8130	CTE	11-12	.5	
Digital Media 1 or ART 1020 Introduction to Drawing	8124 or 1074	CTE, A	11-12	1 or 1	3
Digital Media 2 or ART1800 Digital Media Essentials	8125 or 8667	CTE	11-12 11-12	1 or 1	4
3D Animation	8131	CTE	11-12	.5	
Design and Visual Communication	8650	CTE, A	11-12	.5	

Network Systems**9106**

First Year: A+ Certification - This full-year program prepares students to pass the CompTIA A+ certification exam. Students learn how to troubleshoot and repair various hardware, software, and configuration problems. Students also learn how to install basic computer components as well as to install and configure software ranging from operating systems to applications. Digital Networks (CCNA) & (Network+) - This course prepares students to pass the Cisco CCNA and the CompTIA Network+ certification exams. Physical connections as well as logical connections are presented. Concepts such as bandwidth, access time, data rate, and error detection and correction, as well as other appropriate topics are covered. Participation in the SkillsUSA youth leadership organization may be an integral part of this program.

Course Title	Code	Type of Credit	Grades	Credits	CE Credits
Intro to Information Technology	8120	CTE	11-12	.5	
Security Fundamentals (MTA)	9062	CTE	11-12	.5	
A+ Computer Maintenance	8127	CTE	11-12	1	
Network Fundamentals (NET+)	9061	CTE	11-12	1	
Microsoft Certified Professional (MCP)	8136	CTE	11-12	1	

Skilled and Technical Sciences**Cosmetology****9003**

The CTEC Cosmetology/Barbering Program is a SLCC Concurrent Enrollment program offered to high school juniors and seniors. The CTEC Cos/Bar program provides high school students with the ability to advance their cosmetology/barbering education and practical skills before their high school graduation. Students earn hours towards the State of Utah required 2000 clock hours and credits towards SLCC Barber/Cosmetology course curriculum requirements. Upon high school graduation, students will have the advantage of a head start in their education of the Cosmetology/Barbering fields. *Theory and lab courses must be taken concurrently.*

Course Title	Course Code	Type of Credit	Grade Level	High School Credits	CE Credits
COST 1100 Cosmetology Theory 1	9952	CTE	11-12	.5	
COST 1110 Cosmetology Theory 1 Lab	9950	CTE	11-12	.5	
COST 1200 Cosmetology Theory 2	9955	CTE	11-12	.5	
COST 1210 Cosmetology Theory 2 Lab	9953	CTE	11-12	.5	
COST 2300 Intermediate Cosmetology	9958	CTE	11-12	.5	
COST 2400 Intermediate Cosmetology	9961	CTE	11-12	.5	

Criminal Justice**9050**

This full-year program is designed to introduce students to the Criminal Justice system in conjunction with the SLCC Criminal Justice curriculum. Each student will have the opportunity to enroll in SLCC Concurrent Enrollment and receive college credit for this course work. During this semester-long class, the student will take criminal justice courses covering subjects such as Criminal Justice, Criminal Law, and Careers in Law Enforcement. Participation in the SkillsUSA youth leadership organization may be an integral part of this program.

Course Title	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
Criminal Justice	9050	CTE	11-12	.5	
CJ 1010 Criminal Justice	9150	CTE	11-12	.5	3
CJ 1330 Criminal Law	9151	CTE	11-12	.5	3
CJ 2540 Careers in Law Enforcement	9155	CTE	11-12	.5	3

Electrical Installation

8912

In this full-year program, students will be taught Installation of electrical equipment and systems in accordance with the NATIONAL ELECTRICAL CODE (NEC) and local regulations. They will also learn Residential and commercial wiring methods/Trade mathematics/Reading/ Interpreting NEC 2005/Trade and theory applications/ Reading and following diagrams and blueprints/Troubleshooting and problem- solving/Work as member of a construction team/Prepare and apply for a job. . Participation in the SkillsUSA youth leadership organization may be an integral part of this program.

Course Title	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
Construction Trades Foundation	8912	CTE	11-12	2	
Electrician 1	9005	CTE	11-12	1	
Electrician 2	9004	CTE	11-12	1	

Fire Science

9109

This semester-long program is designed to build teamwork and help safely fight fires in a variety of situations including structural, wild land, automobile and Hazmat incidents. This program uses hands on approach that develops skills within specific evolutions. It uses coaching techniques to provide a better overall understanding of the topics being taught. Key content includes: safety, ICS, fire Behavior, SCBA, fire attack, search and rescue, ventilation, salvage and overhaul, vehicle fires, Hazmat, and brush fires. Participation in the SkillsUSA youth leadership organization may be an integral part of this program.

Course Title	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
Fire Science	9109	CTE	11-12	1	
ESFF 1000 Fire Rescue Emergency Services	9160	CTE	11-12	1	3

Diesel Technician

9006

First Year: Learning the mathematics measuring tools, for measuring/internal and external diesel engine components, complete engine rebuild. Instruction covers training in the following areas: 12/24 volt electrical systems, learning Ohms law in incorporating math into the electrical systems, voltage drop, resistance, wiring, troubleshooting,. using power tools/hand tools safely, brakes and air brake systems, arc welding and gas torch use, suspensions on trailers/truck and alignments, transmission/clutch repair, truck preventive maintenance, differential removal/rebuild, reading and understanding shop manual use. Participation in the SkillsUSA youth leadership organization may be an integral part of this program. Second Year: Students will further develop their first year skills and be able to pursue their areas of interest in more detail.

Course Title	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
ASE Electronics	8256	CTE	11-12	1	
ASE Steering & Suspension	8255	CTE	11-12	.5	
ASE Brakes	8254	CTE	11-12	.5	
DST 1045 Safety/Basic Diesel Theory	9040	CTE	11-12	1	4
DST 1065 Safety/Basic Engine Performance Theory	9042	CTE	11-12	1	4

On-Site Construction

9009

First Year: In this full-year program, students will participate in all phases of constructing a house. Layout work/Install stairways, windows, and trusses/Install footings/ Sheetrock and taping/Cement flat work/Finish carpentry/Build sub-floors/Install aluminum cornice and siding/Frame walls/Shingle application/Frame roof/Proper use of tools/Read blueprints/Learn to follow safety instructions/masonry/ ceramic tile. Participation in the HOSA youth leadership organization may be an integral part of this program.

Second Year: Students will further develop their first year skills and be able to pursue their areas of interest in more detail. Students will frame a house and learn how to be a Job Superintendent/ Project Manager. Math/Job Scheduling/Layout work/Install stairways, windows, and trusses/Install footings/ Sheetrock and taping/Cement flat work/Finish carpentry/Build sub-floors/Install aluminum cornice and siding/Frame walls/Shingle application/Frame roof/Proper use of tools/Read blueprints/Learn to follow safety instructions/masonry/ceramic tile/math. Participation in the HOSA youth leadership organization may be an integral part of this program.

Course Title	Course Code	Type of Credit	Grade Levels	High School Credits	CE Credits
Construction Trades Foundation	8912	CTE	11-12	2	
Carpentry 1	8913	CTE	11-12	2	
Carpentry 2	8914	CTE	11-12	2.5	
CMGT 1010 Building Construction Theory	9864	CTE	11-12	.5	3
CMGT 1045 Beginning Structural Construction	9865	CTE	11-12	.5	4
CGMT 1145 Beginning Interior Finishes	9867	CTE	11-12	.5	4

Welding Technician

9013

This is a full-year program. The American Welding Society sets the standards for all skills that will be taught in this program: torch, stick, mig, tig, lay out metal fabrication, metal blueprint reading, proper clean-up procedures, basic math and measuring, arc gouging, pipe welding, skills for entering post-secondary programs, teamwork, independent work, general employability skills. Participation in the SkillsUSA youth leadership organization may be an integral part of this program.

Course Title	Course Code	Type of Credit	Grades	High School Credits	CE Credits
Welding Tech-Entry Level	9013	CTE	11-12	1	
WLD 1110 Fundamentals of Welding	9014	CTE	11-12	1	3
WLD 1111 Fundamentals of Welding Lab	9026	CTE	11-12	1	7
Welding Technician Intermediate Level	8801	CTE	11-12	.5	
Welding Technician Advanced Level	8802	CTE	11-12	.5	

Utah Students Connect/Jordan Connect Online Courses

Online courses are offered to JSD students through the Utah Students Connect Consortium and other state providers. Courses through Utah Students Connect are on a **quarter** basis. Courses are being added so, for the most up-to-date listings, be sure and check online at <http://www.utahstudentsconnect.org> or <http://www.jordandistrict.org/schools/online/>

FINANCIAL LITERACY

<u>General Financial Literacy</u>	0980	(F)	9-12	.25 – .50
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This course will prepare students for the choices and challenges of today's financial markets. A better understanding of personal finance will help students move into adulthood making more informed monetary decisions, realizing a greater potential for personal wealth, and fostering a stronger state and national economy. The class will focus on income, money management, spending and credit, saving and investing, consumer protection, and risk management.

VISUAL ARTS

(Refer to the chart on Page 7 for the sequence of courses)

<u>Art Foundations 2</u>	0910	(A)	9-12	.25 – .50
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Prerequisite: Art Foundations 1

This class is designed to provide an overview and introduction to visual arts through studying a variety of art tools and materials. This course builds on Art Foundations 1 providing a more in-depth experience with fewer art forms with an emphasis in art criticism, art history and esthetics. With an emphasis on studio production, this course is designed to develop higher-level thinking, art-related technology skill, art criticism, art history, and aesthetics.

<u>Art History and Criticism AP</u>	0911	(A)	11, 12	.25 – 1.0
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This is a year-long course that teaches the history and appreciation of great art works from the Western Art traditions. It starts with prehistoric works and ends with post-modern works. University credit can be earned with a successful performance on the Advanced Placement (AP) exam.

SCIENCE

(Refer to the chart on Page 6 for the sequence of courses)

<u>Earth Science (Foundation/Core)</u>	0940	(ES)	9-12	.25 – 1.0
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Earth Systems integrated science core focuses on earth, physical, space, and life science contents. Using observable evidence, students will study interactions among earth systems.

<u>Physics (Foundation/Core)</u>	0941	(PS)	10-12	.25 – 1.0
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The three major concepts included in the Physics Core are: (1) motion of objects, (2) forces acting on objects, and (3) energy. Physics students should design and perform experiments, and value inquiry as the fundamental scientific process.

<u>Biology (Foundation/Core)</u>	0942	(BS)	9-12	.25 – 1.0
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The Biology Core Curriculum is based on a set of life science learning standards that all students are expected to know and be able to demonstrate understanding of upon completion of this course. The course is designed to emphasize problem solving and scientific reasoning. Students will learn the scientific processes related to life science. Learning activities are varied with an emphasis on student investigations in the field, laboratory, and in technical research.

<u>Chemistry (Foundation/Core)</u>	0943	(CS)	10-12	.25 – 1.0
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This course is organized around major concepts of matter, structure, energy, and change. The concepts, principles and laws that describe the conservation of matter, changes in the structure of matter, and changes in energy will provide focus for this course. Chemistry students should design and perform experiments, and value inquiry as the fundamental scientific process.

LANGUAGE ARTS

<u>Language Arts 9</u>	0920	(LA)	9-12	.25 – 1.0
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This course is designed to emphasize reading comprehension, writing, and methods of inquiry as found in the core. The course will focus on the processes, skills, and strategies for effective communication in all its forms.

<u>Language Arts 10</u>	0921	(LA)	9-12	.25 – 1.0
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This course is designed to emphasize reading comprehension, writing, and methods of inquiry as found in the core. The course will focus on the processes, skills, and strategies for effective communication in all its forms.

<u>Language Arts 11</u>	0922	(LA)	10-12	.25 – 1.0
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This course is designed to emphasize reading comprehension, writing, and methods of inquiry as found in the core. The course will focus on the processes, skills, and strategies for effective communication in all its forms, with an emphasis on American literary texts.

<u>Language Arts 12</u>	0923	(LA)	11, 12	.25 – 1.0
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This course is designed to emphasize reading comprehension, writing, and methods of inquiry as found in the core. The course will focus on the processes, skills, and strategies for effective communication in all its forms, with an emphasis on British literary texts.

MATHEMATICS

(Refer to the chart on Page 9 for the sequence of courses)

<u>Secondary Mathematics 1</u>	0930	(M)	9, 10	.25 – 1.0
Students in Secondary Mathematics 1 will deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomenon, and in part by applying linear models to data that exhibit a linear trend. Students will use properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge. Algebraic and geometric ideas are tied together. Students will experience mathematics as a coherent, useful, and logical subject that makes sense of problem situations.				
<u>Secondary Mathematics 2</u>	0934	(M)	9-11	.25 – 1.0
Students in Secondary Mathematics 2 will focus on quadratic expressions, equations, and functions, extend the set of rational numbers to the set of complex numbers, link probability and data through conditional probability and counting methods, study similarity and right triangle trigonometry, and study circles with their quadratic algebraic representations.				
<u>Secondary Mathematics 3</u>	0935	(M)	10-12	.25 – 1.0
Students in Secondary Mathematics 3 will pull together and apply the accumulation of learning they have from previous courses. They will apply methods from probability and statistics to draw inferences and conclusions from data, expand their repertoire of functions to include polynomial, rational, and radical functions, expand their study of trigonometry to include general triangles, and use functions and geometry to create models and solve contextual problems.				

SOCIAL STUDIES

<u>Geography for Life</u>	0960	(GFL)	9-12	.25 – 1.0
This course introduces students to cultural and physical geography. The framework of this course is the five themes of geography-location; place; human interaction with the physical environment; the impact of movements of people, ideas and things; and similarities and differences within and between regions. In addition, the course emphasizes critical, causal, interpretive and reflective thinking skills through observing, reading, writing, listening, speaking, and problem solving. This course emphasizes in-depth reading, writing and independent study.				
<u>World Civilizations</u>	0961	(WC)	9-12	.25 – 1.0
The study of world civilizations emphasizes the increasing interrelationships over time of the world's peoples. These interrelationships have developed in two major arenas. First, the relationships have developed among major regions of the world: East Asia, Middle East, Africa, Europe, North America and Latin America. Second, they have developed within all aspects of human activity: political, economic, social, philosophical and religious, scientific and technological, and artistic.				
<u>U.S. History 2</u>	0962	(USH)	9-12	.25 – 1.0
Understanding United States history is essential for the continuation of our republic. This course will help students make connections between their world and the rich heritage of United States history. The course is designed as a survey of American history with an emphasis on post-Reconstruction America (1876-Present), but should include a review of the earlier period. The course may be taught using a thematic approach or in chronological order.				
<u>U.S. Government and Citizenship</u>	0963	(USGC)	10-12	.25 – .50
The goal of this course is to foster informed, responsible participation in public life. Knowing how to be a good citizen is essential to the preservation and improvement of 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 recommended for seniors due to their proximity to voting and draft age.				

HEALTHY LIFESTYLES

(Refer to the chart on Page 10 for the sequence of courses)

<u>Consumer Health (Health Education 2)</u>	0902	(HE)	9-12	.25 – 1.0
This course emphasizes the physical, social and mental dimensions of people. This course offers students an opportunity to evaluate health practices, products, and services.				
<u>PST/9th Grade Physical Education</u>	0900	(PST)	9-12	.25 – .50
This course is designed to develop skills and techniques in a variety of team and individual sports as well as improvement in personal fitness.				
<u>Fitness for Life</u>	0901	(LF)	9-12	.25 – 1.0
This course is designed for continued improvement of physical fitness. The course content includes an understanding of the components of fitness, i.e., heart-lung fitness, strength, flexibility, muscle endurance, weight control/nutrition, and stress management.				

COMPUTER TECHNOLOGY

<u>Computer Technology 1</u>	0982	(CT)	9-12	.25 – .50
This is an introduction to computer application software that encompasses document processing, spreadsheets, and presentations. An understanding of ethics and use of operating systems, information resources, and electronic mail is included.				

SPECIALIZED COURSES

Drivers Education (Coursework Only)

0981

(E)

10-12

.25

This course is the classroom portion of Drivers Education. On road and range driving experiences must be scheduled at your home high school. Driving fees will apply at your school.

CONCURRENT ENROLLMENT

The following courses may be taught at the local high school, the Jordan Applied Technology Center, or the Canyons Technical Education Center. Students enrolled in these courses receive both high school credit, and credit through a local college. Some courses may apply toward the state core requirements for graduation. Some courses are elective credit. Contact your counselor for more information. All SLCC Concurrent Enrollment (CE) students must provide ACT or CPT placement scores as part of the admissions process. Although test scores are requested and provide the student with information regarding their academic levels of competency, students should not be discouraged from participation, as only a few concurrent classes have prerequisite placement scores to enroll. Contact your counselor for more information on CE placement testing and admissions. Students with inquiries regarding the college credit available for each CE course should consult the respective college catalog with their college advisor for the most accurate and current information.

CONCURRENT ENROLLMENT FINANCIAL LITERACY

<u>FIN 1050 Personal Finance</u>	9803	(F)	11, 12	.5
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This course studies financial skills essential for economic success. Subjects covered include financial planning, financial services, income taxes, consumer buying, insurance, retirement planning, and estate planning.

<u>FHS 2400 Marriage and Family Relations/ARFL</u>	9928	(CTE, F)	11, 12	1.0
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Taught in 2 semesters with Adult Roles and Financial Responsibilities

This course prepares students to understand the nature, function, and significance of individual and family relationships integrated with general financial literacy. Topics include decision-making to set and implement financial goals, values, communication skills, self-awareness, families, sources of income and the relationship between income and career preparation, crisis management, marriage preparation, marriage, money management, saving, investing, parenting, and retirement planning. Students who complete the entire course fulfill the General Financial Literacy graduation requirement. FCCLA may be an integral part of the course.

CONCURRENT ENROLLMENT FINE ART

<u>ART 1010 Exploring Art</u>	1067	(A)	11, 12	.5
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This course is a glimpse into the world of art for the non-art major. There will be some non-judgmental, hands-on producing of art. Some reading and writing will be required.

<u>ART 1010 Intro to the Visual Arts (SNOW)</u>	1073	(A)	11, 12	.5
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This is a course in which students will learn to understand and appreciate art through the study of the visual language. Students will also be introduced to the development of art through the study of art history. (Formerly Exploring Art)

<u>ART 1020 Intro to Drawing</u>	1066	(A)	11, 12	.5
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This is an introductory drawing course for non-majors. Line, shape, perspective, and light logic will be discussed. Using these techniques, students will develop their drawing skills. Some reading and writing will be required.

<u>ART 1020 Intro to Drawing (CTE Endorsed Instructor)</u>	1074	(A, CTE)	11, 12	.5
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This is an introductory drawing course for non-majors. Line, shape, perspective, and light logic will be discussed. Using these techniques, students will develop their drawing skills. Some reading and writing will be required. This course is taught by teachers who have CTE certification as well as art certification. Some reading and writing will be required

<u>FLM 1045 Beginning Film Production</u>	1660	(E)	11, 12	.5
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This course is an intensive workshop experience in which students, crewing in their area of specialization, complete the shooting and post-production of projects up to 15 minutes in length. It is required for film majors.

CONCURRENT ENROLLMENT MUSIC

<u>MUSC 1010 Introduction to Music</u>	1399	(A)	11, 12	.5
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This is an introductory survey of Western music from chant to jazz highlighting major contributions from the Middle Ages, Renaissance, Baroque, Classical, Romantic, 20th Century and American music styles.

CONCURRENT ENROLLMENT THEATRE

<u>THEA 1013 Introduction to Theatre (Weber)</u>	1671	(A)	11, 12	.5
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This course is a survey of Western theatre from ritual to contemporary theatre. Students will explore the role of theater from a Western perspective in the development of modern thought, culture, politics and society.

CONCURRENT ENROLLMENT SCIENCE

<u>GEO 1010 Introduction to Geology</u>	3169	(AAF-S)	11, 12	.5
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This course is an introduction to the processes and materials that shape the earth. It includes mineral identification, map reading, deposition, volcanism, earthquakes, and continental drift.

PHYS 1040 Elementary Astronomy	3205	(AAF-S)	11, 12	.5
Structure, scale, and behavior of the universe and its underlying laws are presented in a conceptual format. The course also studies formation and workings of the sun and planets. It also examines Earth as a planet and as a reference for reckoning of the celestial sphere.				
PHYS 1010 Elementary Physics	3210	(AAF-S)	11, 12	.5
This is a conceptual survey course in introductory physics for non-science majors. Principles of mechanics, heat, light, sound, electricity, and magnetism are studied. This course does not include a lab.				
BIOL 2320/2325 Human Anatomy and Lab	3218	(CTE, AAF-S)	10-12	1.0
<i>Prerequisite: BIOL 1610 (C grade or better).</i>				
This is an introduction to the structure of the human body using a systematic approach. Structural relationships are evaluated by macro and micro-analysis. The co-requisite lab for this course is a hands-on evaluation of anatomical structures using microscopes and dissection. Human cadavers, histology slides and human/animal body parts are used as study materials. This course and BIOL 2325, the co-requisite lab, are required for the Surgical Technician Program				
BIOL 2325 Human Anatomy Lab	3219		10-12	0
<i>Prerequisite: BIOL 1610 (C grade or better). Co-requisite: Student must also be enrolled in BIOL 2320.</i>				
This lab is a hands-on evaluation of anatomical structures using microscopes and dissection. Human cadavers, histology slides and human/animal body parts are used as study materials. This is the required lab component for BIOL 2320. Since it is taught the same period, it does not receive credit, but it needs to be listed on the transcript either as a combined title or as a separate course that is not graded.				
BIOL 1010/1015 Intro to Biology and Lab (Foundation/Core)	3221	(BS)	11, 12	.5/1.0
This is a course for non-science majors. It provides a survey of living diversity from bacteria to plants and animals. It also introduces cell structure and physiology, inheritance, evolution, and classification. In order to earn core science credit, students must complete the work for BIOL 1015, the co-requisite lab, which includes laboratory study, experimentation, and analysis illustrating important biological principles. Important aspects of plant biology are illustrated.				
BIOL 1015 Intro to Biology Lab	3229		11, 12	0
<i>Co-requisite: Student must also be enrolled in BIOL 1010. This is the required lab portion of BIOL 1010.</i>				
This lab includes laboratory study, experimentation, and analysis illustrating important biological principles. Important aspects of plant biology are illustrated. It is the required lab component for BIOL 1010. Since it is taught the same period, it does not receive credit, but it needs to be listed on the transcript either as a combined title or as a separate course that is not graded.				
BIOL 1090 Human Biology	3220	(AAF-S)	11, 12	.5/1.0
<i>Prerequisite: Grade C or better in RDG 0900 or equivalent CPT/ACT score.</i>				
This course focuses on humans as biological entities. It introduces the scientific process, chemical and cellular bases of life, role of DNA in the continuity of life, evolution, and inter-relationships among humans and other living organisms.				
BIOL 1090 Human Biology-CTE Endorsed Instructor	3249	(AAF-S, CTE)	11, 12	.5/1.0
<i>Prerequisite: Grade C or better in RDG 0900 or equivalent CPT/ACT score.</i>				
This course focuses on humans as biological entities. It introduces the scientific process, chemical and cellular bases of life, role of DNA in the continuity of life, evolution, and inter-relationships among humans and other living organisms.				
BIOL 1610/1615 College Biology 1 and Lab (Foundation/Core)	3242	(BS)	11, 12	1.0
This course is for Biology/Science majors and Health Science Majors. It may be used as a prerequisite for several other biology courses. The content covered is biological chemistry, cell structure, metabolism, genetics, evolution and diversity				
This course and BIOL 1615, the co-requisite lab, are required for the Surgical Technician Program				
BIOL 1615 College Biology 1 Lab	3243		11, 12	0
<i>Co-requisite: Student must also be enrolled in BIOL 1610. This is the required lab portion of BIOL 1610.</i>				
This is the required lab component for BIOL 1610. Since it is taught the same period, it does not receive credit, but it needs to be listed on the transcript either as a combined title or as a separate course that is not graded.				
CHEM 1010 Intro to Chemistry	3237	(AAF-S)	11, 12	.5/1.0
This course is a survey of general chemistry: structure, composition, properties and chemical transformations.				
CHEM 1110/1115 Chemistry and Lab (Foundation/Core)	3231	(CS)	11, 12	.5/1.0
<i>Prerequisite: MATH 1010 or equivalent. Co-requisite: Student must also be enrolled in CHEM 1115 to earn core science credit.</i>				
This introductory course in general inorganic and organic chemistry of hydrocarbons of functional groups is for health science students and other non-chemistry majors. In order to earn core science credit, students must complete the work for CHEM 1115, the co-requisite lab.				
CHEM 1115 Elementary Chemistry Lab	3233	(E)	11, 12	.5
<i>Co-requisite: Student must also be enrolled in CHEM 1110</i>				
This is a graded laboratory taken concurrently with CHEM 1110.				
MET 1010 Intro to Meteorology	3270	(AAF-S)	11, 12	.5
Students are introduced to the characteristics and dynamics of the atmosphere and how they influence weather, including clouds, fronts, weather prediction, severe weather and optical phenomena such as rainbows and halos.				

<u>BTEC 1010 Intro to Biotechnology</u>	9846	(CTE, AAF-S)	11, 12	1.0
This course involves career exploration in biotechnology; emphasis on central dogma of biology, DNA techniques, applications in biotech, and bioethics. Topics include forensics and human cloning. Lab work will be included in this course.				
<u>BTEC 1015 Intro to Biotechnology Lab</u>	9877	(E)	11, 12	1.0
<i>Prerequisite: BTEC 1010</i>				
The emphasis of this course is on the nature of proteins and various techniques used to purify and analyze. It presents of industry standards; including good manufacturing and lab practices, quality control, assurance and validation.				
<u>BTEC 1030 Biotechnology Seminar 1</u>	9849	(CTE, AAF-S)	11, 12	1.0
<i>Prerequisite: BTEC 1010</i>				
This course teaches critical reading of scientific literature; scientific oral and written skills; web-based curriculum will be used to explore the "Nature of Science" of how the process of scientific experimentation evolves.				
<u>BTEC 1080 Biotechnology Experience</u>	9878	(CTE, AAF-S)	12	1.0
<i>Prerequisite: BTEC 1010 & BTEC 1015</i>				
Students will design their own program based on one of six biotechnology objectives established by faculty and industry supervisors. These objectives will be researched in an internship setting. This class is designed for second year biotechnology students.				

**CONCURRENT ENROLLMENT
WORLD LANGUAGES**

<u>SPN 1010 Beginning Spanish 1</u>	9575	(Sr. LA)	11, 12	.5
This is the first in a series of Spanish courses which focus on listening, speaking, reading, writing, and culture. The major objective of the first year is to develop functional language ability in survival and social situations. Lab attendance is required.				
<u>SPN 1020 Beginning Spanish 2</u>	9576	(Sr. LA)	11, 12	.5
<i>Prerequisite: SPN 1010 or Instructor approval</i>				
This is the second in a series of Spanish courses that focus on listening, speaking, reading, writing, and culture. The major objective of the first year is to develop functional language ability in survival and social situations. Lab attendance is required.				

**CONCURRENT ENROLLMENT
LANGUAGE ARTS**

<u>ENGL 1010 Intro to Writing</u>	9600	(Sr. LA)	12	.5
<i>Prerequisite: Placement test</i>				
This course involves the development of critical literacy's – reading, writing, and thinking- using methods of knowledge making, including personal, collaborative, visual, and textual methods. It promotes awareness of rhetorical strategies as they apply to a variety of socio-cultural contexts.				
<u>HUMA 1100 Intro to Humanities</u>	9603	(Sr. LA)	12	.5
This course explores the humanities through the arts and intellectual traditions, showing how they relate to concurrent societies. It includes critical discussion of art forms (visual art, music, literature, drama and film.)				
<u>HUMA 1010 Introduction to the Humanities (TICE)</u>	9608	(Sr. LA)	12	.5
This course is a Technology Intensive Concurrent Enrollment (TICE) hybrid course which will be offered in conjunction with Salt Lake Community College and piloted at Bingham, Copper Hills, and Riverton High Schools during the 2013-2014 school year. After next year, it will be available to other district schools. This course thematically investigates the fundamental and perennial questions of humankind and how human beings relate through culture to their political, religious, social, intellectual, economic, and geographic environments.				
<u>COMM 1010 Elements of Effective Communication</u>	9835	(E, Sr. LA)	11, 12	.5
This course involves communication principles and practice applied in dyadic, group, written, electronic, and oral presentation assignments. It covers listening, perception, verbal clarity, non-verbals, diversity, conflict management & interviewing in workplace and interpersonal settings.				
<u>COMM 1010 Elements of Effective Communication CTE Endorsed Instructor)</u>	9829	(CTE, Sr. LA)	11, 12	.5
This course involves communication principles and practice applied in dyadic, group, written, electronic, and oral presentation assignments. It covers listening, perception, verbal clarity, non-verbals, diversity, conflict management & interviewing in workplace and interpersonal settings.				
<u>COMM 1020 Principles of Public Speaking</u>	9830	(CTE, Sr. LA)	11, 12	.5
This course covers preparing and delivering speeches for civic and professional occasions. It involves basic theory & skills practice including: audience analysis, anxiety management, critical listening, supporting claims with evidence, persuasion, motivation, and delivery.				

**CONCURRENT ENROLLMENT
MATHEMATICS**

<u>MATH 1010 Intermediate Algebra</u>	5501	(AAF-M)	11, 12	.5
<i>Prerequisite: Secondary Mathematics 3</i>				
This course studies linear and quadratic equations; inequities; polynomials; rational expressions, radicals, negative and rational exponents; complex numbers; linear systems, introduction to functions; logarithms, and exponential functions.				

MATH 1050 College Algebra 9650 (AAF-M) 11, 12 .5

Prerequisite: MATH 1010 with C or appropriate CPT, ACT, or SAT score

College Algebra satisfies quantitative literacy requirements for students planning to take calculus. Topics include polynomial, rational, exponential and logarithmic functions; matrices; conics; sequences and series; and mathematical induction.

MATH 1060 Trigonometry 9651 (AAF-M) 11, 12 .5

Prerequisite: MATH 1050 with C or appropriate CPT, ACT, or SAT score

This course covers Trigonometric functions and their graphs developed using circular and triangular methods including inverses; polar coordinates; and an introduction to vectors.

MATH 1040 Intro to Statistics 9652 (AAF-M) 11, 12 .5

Prerequisite: Secondary Mathematics 3 or MATH 1010 with C or better or appropriate CPT score

This course covers descriptive and inferential statistical methods. Emphasis is on sampling design; descriptive statistics; linear regression & correlation; probability; sampling distributions; hypothesis testing, and confidence intervals.

**CONCURRENT ENROLLMENT
EDUCATION**

PED 1010 Introduction to Paraeducation 9940 (E) 11, 12 .5

This course overviews concepts relevant to paraeducation including working with teachers, relating to students with disabilities, history of special education services, legal issues and communication techniques.

PED 2150 Introductory Experience 9942 (E) 11, 12 .5

Prerequisite: PED 1010, taken concurrent with PED 2160

This course overviews classroom techniques and will address ethical and professional responsibilities. Under the direction of a supervising educator, students will learn to implement teaching programs using a variety of techniques.

PED 2160 Introductory Experience Practicum 9943 (E) 11, 12 .5

Prerequisite: PED 1010, taken concurrent with PED 2150

This course provides a supervised classroom experience that allows students to apply what they are learning in the classroom to public education settings.

EDU 1010 Orientation to Education 9948 (E) 11, 12 .5

This course studies teaching as a career; challenges and rewards; history; philosophies; social issues; legal issues; job availability and governance. It covers preparation for acceptance into a teacher education program. Field experience is required.

**CONCURRENT ENROLLMENT
SOCIAL STUDIES**

HIST 1700 American Civilization 6401 (E) 11, 12 .5

This course covers the fundamentals of American history from exploration and colonization to the present with emphasis on historical, political, social and economic events.

HIST 1700 American Civilization (Weber) 6405 (USH) 11, 12 1.0

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. The course may include a service learning component.

PSY 1010 General Psychology (SLCC IVC) 6143 (E) 11, 12 .5

This course is a basic survey of psychology examining the historical and current foundations supporting the scientific study of mind and behavior.

SOC 1010 Introduction to Sociology 6146 (E) 11, 12 .5

SLCC Internet Only

This SLCC internet course introduces students to the nature and scope of sociology, including systematic treatment of group life, social institutions, social problems, social change, and social control.

POLS 1100 American National Government (Snow) 6157 (USGC) 11, 12 .5

This course is an introduction to the structure, functions and political dynamics of the major institutions within the American governmental system.

POLS 1100 American National Government (TICE) 6158 (USGC) 11, 12 .5

This course is a technology Intensive Concurrent Enrollment (TICE) hybrid course which will be offered in conjunction with Salt Lake Community College. This course surveys the institutions and practices of the U.S. national government with emphasis placed on political behavior and social conflict. The course may be taught with a Service Learning component

POLS 2060 Freedoms (Weber) 6155 (E) 11, 12 .5

This course is an examination, at an introductory level, of the American judiciary and basic constitutional guarantees. Many of the specific cases used as examples will be drawn from the constitutionally fertile area of "school law." This course will have theoretical and practical dimensions.

GEOG 1300 People and Places of the World (Snow) 6190 (GFL) 11, 12 .5

This course is a study of the major geographical regions of the world, emphasizing the interrelationships between environment and human imprints. The course focuses on the following issues and problems: distribution of cultural characteristics such as

population, migration, language religion, social customs, political and economic geography, urban patters and settlements, agriculture, industry and resources. Physical geography concepts are also used to explain spatial patterns of cultural features.

ECON 1010 Economics as a Social Science 8380 (E) 11, 12 .5

This course studies the role of economics in understanding social problems. It is designed as a general information course for all individuals despite major, and satisfies the social science component of general education.

ECON 1740 Economic History of U.S. 8381 (E) 11, 12 .5

SLCC Internet Only

This course studies historical foundation of American economic growth and development from the colonial period to the present. Institutional and structural changes and processes of growth in the American economy are explored.

**CONCURRENT ENROLLEMENT
BUSINESS**

ACCT 1110 Financial Accounting 1 9800 (CTE) 11, 12 .5

This course is an introduction to the concepts and methods underlying the preparation of financial statements using generally accepted accounting principles. Topics covered include accounting cycle, cash and receivables.

BUS 1050 Foundations of Business 9801 (CTE) 11, 12 .5

Prerequisite: It is strongly recommended that this class be taken after (or concurrent with) ENGL 1010 or that the students have compatible writing skills.

This course provides a historical, sociological and philosophical overview of the fundamental aspects of business. Topics include business in a world of change, socio-economics, the human factor and ethics in the workplace and social responsibility in a global market.

COMM 1010 Elements of Effective Communication 9829 (CTE, Sr. LA) 11, 12 .5
(CTE Endorsed Instructor)

Communication principles and practice are applied in dyadic, group, and written, electronic, and oral presentation assignments. Other topics include listening, perception, verbal clarity, non-verbals, diversity, conflict management & interviewing in workplace and interpersonal settings.

COMM 2200 Broadcast Production and Performance 9831 (CTE) 11, 12 .5

Students will develop basic television, film, and video lighting skills through individual and group assignments, traditional lecture, hands-on learning, field and studio production environments.

MGT 1100 Small Business Management 9845 (CTE) 11, 12 .5

This course meets the needs of ATE programs in Small Business Management. It educates students in Vocational programs about small business management/ownership fundamentals. Curriculum learning will be industry specific.

MGT 1600 Management Essentials 9847 (CTE) 11, 12 .5

This course focuses on management essentials for entry-level managers. It places emphasis on management concepts and functions, also motivation, leadership, and team building. It includes casework, presentations, group work and exams.

**CONCURRENT ENROLLMENT
COMPUTER SYSTEMS**

CS 1400 Fundamentals of Programming 5711 (CTE, AAF-M) 11, 12 .5

Prerequisite: CIS 1020 or equivalent

This course is an introduction to problem solving, UML, programming and computer hardware (basic architecture, numbering systems, data representation). It includes programming exercises in a contemporary object oriented language.

CS 1410 Object Oriented Programming 5712 (CTE) 11, 12 .5

Prerequisite: CS 1400

This course covers object oriented concepts, including classes, encapsulation, inheritance, objects, data abstraction and polymorphism will be covered. Also covered are data types, control structures, methods and arrays. Algorithms will be implemented in programming exercises.

**CONCURRENT ENROLLMENT
FAMILY AND CONSUMER SCIENCES**

INTD 1010 Introduction to Interior Design 8785 (CTE) 11, 12 .5

This course provides a broad overview of the principles of interior design, furniture selection, accessories, lighting, fabrics and architectural finishes.

NUTR LS 1020 Foundations in Nutrition (Weber) 9915 (CTE) 11, 12 .5/1.0

Basic principles of human nutrition are considered with respect to maintaining nutritional balance, as well as maintaining good health. *This course is taught Web enhanced.*

CHEF 2520 Nutrition 9924 (CTE) 11, 12 .5/1.0

In this course, students learn about basic nutrients, food labeling, current issues in nutrition, and application of nutritional principles to menu development.

FHS 2400 Marriage and Family Relationships 9926 (CTE) 11, 12 .5/1.0

This course is an 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.

FHS 2600/0010 Intro to Early Childhood Ed. and Lab **9927** **(CTE)** **11, 12** **.5/1.0**

Prerequisite: Concurrent with FHS 0010

This course is an introduction to the field of Early Childhood Education. Basics for shaping curriculum for young children are introduced. It includes observation and participation in a supervised lab experience. FHS 0010, the co-requisite lab, for this course entails supervised interaction with children in the on-site lab school

~~**FHS 0010 Introduction to Early Childhood Education Lab** **9930** **(CTE)** **11, 12** **.5/1.0**~~

~~*Prerequisite: Concurrent with FHS 2600.*~~

~~Students complete required lab experience which entails supervised interaction with children in the on-site lab school. This is the required lab component for FHS 2600. Since it is taught the same period, it does not receive credit, but it needs to be listed on the transcript either as a combined title or as a separate course that is not graded.~~

FHS 1500 Human Development

Across the Life Span

9929 **(CTE)** **11, 12** **.5**

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.

HFST 1500 Human Development (Snow)

9175 **(CTE)** **11, 12** **.5**

In this course, students will learn about the fundamental principles of growth and development from conception through childhood to old age. The course includes the study of the biological process of development as well as the emotional, social and cognitive development of the individual with a cultural and historical context.

**CONCURRENT ENROLLMENT
HEALTH**

AT 2175 Intro to Sports Medicine (Weber)

7208 **(CTE)** **11, 12** **.5/1.0**

This course presents the duties and functions of the certified athletic trainer and their relationship to other allied health care and sports medicine professionals. The course will focus on the fundamental causes, prevention, recognition, care, reconditioning of musculoskeletal injuries/illnesses, and program organization and administration. The course will include the planning, preparation, and presentation of group projects on assigned topics related to athletic training. It is for non-majors.

HLTH 1200 First Aid and Safety

9114 **(CTE)** **11, 12** **.5**

This course follows American Red Cross Responding to Emergency guidelines and leads to first aid and CPR certification.

HLTH 1020 Foundations of Human Nutrition

9115 **(CTE)** **11, 12** **.5**

SLCC Internet Only

This course introduces and applies basic nutrition concepts. It covers fundamentals of human nutrition and its applications to a healthier lifestyle. It involves evaluation and assessment of nutrition issues which includes preventing nutrition-related diseases.

HLTH 1250 Stress Management

9116 **(CTE)** **11, 12** **.5**

This course covers ways to help minimize effects of stress. It includes techniques of prevention, perception and intervention. It also provides relaxation techniques, personality profiles, goal setting, communication, time management and imagery skills.

HTHS 1120 Case Studies & Health Sciences (Weber)

9118 **(CTE)** **11, 12** **.5**

Prerequisites: HTHS 1101, HTHS 1105 and 1106 or HTHS LS1110 and 1111 or an equivalent course in anatomy and physiology.

Case Studies in Health Sciences is a WSU Online course designed for students wishing to explore the interdisciplinary nature of health care using case study models. Each case study focuses on a disease process. Progression through each case study involves a review of anatomy and physiology, pathophysiology, medical terminology and a study of health professionals including their educational and training requirements. Additionally, the student will explore key medical diagnostic tests (e.g. laboratory, imaging) used in patient disease diagnosis, management and prevention. The course emphasizes the importance of the team approach to patient care.
WSU Online class only.

HTHS 1101 Medical Terminology (Weber)

9119 **(CTE)** **11, 12** **.5**

This course teaches medical terms of Greek and Latin origin. It is designed for the pre-professional and workers in health related fields.

HTHS 1105 Technology Enhanced Anatomy and Physiology Part 1 (Weber)

9126 **(CTE)** **11, 12** **.5**

This course teaches fundamentals of human anatomy and physiology that are required for further studies in nursing, allied health, and related disciplines. It is designed to be offered in a technology-enhanced environment (via Ednet to off-campus sites). There will be four hours of Ednet and two hours of laboratory/recitation per week. It is *open to concurrent enrollment students only*.

HTHS 1106 Technology Enhanced Anatomy and Physiology Part 2 (Weber)

9127 **(CTE)** **11, 12** **.5**

Prerequisite: HTHS 1105. There will be four hours of Ednet and two hours of laboratory/recitation per week.
Open to concurrent enrollment students only.

ESEC 1140 Emergency Medical Technician - Basic

9131 **(CTE)** **11, 12** **.5**

This course prepares students for certification as an Emergency Medical Technician-Basic through the Utah Bureau of

EMS. It includes CPR, automatic defibrillation, patient assessment and treatment, legal issues, airway support, medical and trauma emergencies, emergency childbirth, pediatric emergencies and patient movement/transport. Participation in the HOSA student leadership organization may be an integral part of this program

AT 2300 Emergency Response (Weber) 9135 (CTE) 11, 12 .5
 This course meets the needs of the non-health care professional that has a duty to respond in an emergency. It provides more skills and in-depth training than the First Aid; Responding to Emergencies course. This course leads to American Red Cross certification in emergency Response and CPR for the Professional Rescuer.

OTA 1020 Introduction to Occupational Therapy 9170 (CTE) 11, 12 .5
 Students learn the history, principles, philosophy of profession & scope of practice, work settings and specialty areas. Ethics, standards, legal issues and professional behavior are also addressed. Visits to local clinicians and field trips are scheduled.

PTA 1010 Introduction to Physical Therapy 9710 (CTE) 11, 12 .5
 In this course, students will explore the field of therapy including an overview of therapy treatments in different health care settings and pertinent legal and ethical considerations. Students will participate in clinical observation. Students will explore the field of therapy including an overview of therapy treatments in different health care settings and pertinent legal and ethical considerations. Students will participate in clinical observation.

HIT 1100 Medical Terminology 9720 (CTE) 11, 12 .5
 This course takes a body system approach to covering medical word roots, suffixes and prefixes. Emphasis is placed on pronunciation, spelling, and proper usage of medical terms. Medical abbreviations are also introduced as they related to Health Information Management.

MA 1100 Medical Terminology 9725 (CTE) 11, 12 .5
 This course uses videos supplemented with lecture and discussion covering more than 350 medical word roots, suffixes, and prefixes. Emphasis is placed on the pronunciation, spelling, and proper usage of medical terminology. Medical abbreviations are also introduced.

BTEC 1010 Fundamentals of Biotechnology 1 9846 (CTE, AAF-S) 11, 12 1.0
 This course teaches career exploration in biotechnology; emphasis on central dogma of biology, DNA techniques, applications in biotech, and bioethics. Topics include forensics and human cloning. Lab work will be included in this course.

BTEC 1015 Fundamentals of Biotechnology 1 Lab 9877 (CTE, AAF-S) 11, 12 1.0
Prerequisite: BTEC 1010
 The emphasis of this course is on the nature of proteins and various techniques used to purify and analyze. It involves presentation of industry standards; including good manufacturing and lab practices, quality control, assurance and validation.

BTEC 1080 Biotechnology Experience 9878 (CTE, AAF-S) 12 1.0
Prerequisite: BTEC 1010 & BTEC 1015
 Students will design their own program based on one of six biotechnology objectives established by faculty and industry supervisors. These objectives will be researched in an internship setting. This class is designed for second year biotechnology students.

SURG 1200 Intro to Surgical Technology 9852 (CTE) 12 1.0
 This is a fundamentals course in Surgical Technology.

SURG 1250 Advanced Surgical Theory 9853 (CTE) 12 1.0
Prerequisite: SURG 1200
 This course introduces student to more advanced surgical practices, such as circulating duties, equipment and surgical procedures.

**CONCURRENT ENROLLMENT
MARKETING**

MKTG 1010 Customer Service Technology 5705 (CTE) 11, 12 .5
 This course studies the basic service skills in business. It looks at the management of conflict, stress, professionalism, time management, and telephone usage. It deals with internal and external customer service concepts.

MKTG 1030 Intro to Marketing 9825 (CTE) 11, 12 .5
 Students receive a basic understanding of marketing principles and consumer-to-business relationships that influence consumer behavior.

MKTG 1070 Promotion 9828 (CTE) 11, 12 .5
 This course concentrates on the promotional mix of advertising, publicity, personal selling, and sales promotion. Creativity, planning and budgeting skills are established through the development of a promotional campaign.

MKTG 1480 Sales 9824 (CTE) 11, 12 .5
 In this sales course, emphasis is placed on pre-approach, needs, benefits, objections and closes. Students will experience basic techniques through participation in a series of simulated sales calls.

**CONCURRENT ENROLLMENT
AUTOMOTIVE**

<u>AR 1100 Automotive Refinishing</u>	9017	(CTE)	11, 12	.5
<i>Prerequisite: Concurrent with AR 1111</i>				
This is a lecture class covering surface preparation and application of undercoats and top coats including single and two paint systems.				
<u>AR 1111 Refinishing Skill Development</u>	9018	(CTE)	11, 12	2.0
<i>Prerequisite: Concurrent with AR 1100</i>				
This course covers skill development of surface prep and paint competencies.				
<u>AUTO 1010 Maintenance and Light Repair Fundamentals</u>	9034	(CTE)	11, 12	.5/1.0
This is an introductory course providing fundamentals of operation and maintenance procedures including researching service information; shop safety; tool and equipment use; maintenance; and light repair service procedures. It is a prerequisite to additional AUTO courses. Completers may test to become Honda PACT students.				
<u>AUTO 1150 Automotive Electrical and Electronics</u>	9037	(CTE)	11, 12	.5/1.0
Diagnostic and repair procedures involved in electrical and electronic systems with practical application of Ohm's law. Hands on diagnosis and repair of charging, starting, lighting, electronic accessory, and supplemental restraint systems.				
<u>DST 1045 Safety/Basic Diesel Theory</u>	9040	(CTE)	11, 12	.5
<i>Prerequisite: Concurrent with DST 1050</i>				
This course provides instruction in the theory of work place safety, operation, parts nomenclature of both 2- and 4-cycle engines, use of measuring devices and fastener types. Combustion systems and engine sub-assemblies will be covered.				
<u>DST 1065 Safety/Basic Engine Performance</u>	9042	(CTE)	11, 12	.5
<i>Prerequisite: Concurrent with DST 1070</i>				
This course provides instruction in safety, trouble-shooting, and repair maintenance. It includes parts nomenclature of both 2-cycle and 4-cycle engines, hydro mechanical fuel-injection system operation, and maintenance of these systems.				

**CONCURRENT ENROLLMENT
FLIGHT/ AVIATION TECHNOLOGY**

<u>PILT 1040 Aviation Orientation</u>	3200	(CTE)	11, 12	.25
Students will be introduced to many aspects of the aviation industry, job opportunities, the flight program, procedures, and how to finance flight training. The students will be given the opportunity to meet with industry personnel.				
<u>PILT 1050 Aviation History</u>	3201	(CTE)	11, 12	1.0
This course covers the history of aviation from the earliest times through the modern jet age will be covered. Students will discover significant aviation developments and how they came about.				
<u>PILT 1100 Private Pilot Ground School</u>	3202	(CTE)	11, 12	.5
<i>Prerequisite: Concurrent with PILT 1140</i>				
This course studies aviation fundamentals, principles of flight, aircraft and engine operations, weather, navigation and radio communications as required by FAA regulations. Students will be prepared to begin flight training.				
<u>PILT 1140 Solo Pilot Certification Lab</u>	3204	(CTE)	11, 12	.25
<i>Prerequisite: Concurrent with PILT 1100</i>				
Students will begin flight training with a FAA certified flight instructor. Training will include all the skills necessary to fly solo.				
<u>PILT 1110 Private Pilot Fixed Wing Simulator Lab</u>	3214	(CTE)	11, 12	.5
<i>Prerequisite: Concurrent with PILT 1100</i>				
This course provides practical application in a simulation lab. It includes the information for private pilot flight maneuvers, procedures, and regulations for takeoff, cruise, traffic pattern operations, approach emergencies, and cross country operations. One hour per week lab time is required. It required for non-flying students enrolled in PILT 1100				
<u>PILT 1420 Aircraft Systems</u>	3216	(CTE)	11, 12	1.0
This is an introductory course to provide pilots with the understanding of aircraft systems, components, & basic operations general to all aircraft. Included will be information about power plants, fuel, & electrical systems.				
<u>PILT 1010 Air Transportation</u>	3217	(CTE)	11, 12	1.0
This course includes a survey of the air transportation industry to include airline deregulation, government regulatory agencies, general aviation, and airline management operations and aircraft.				

**CONCURRENT ENROLLMENT
DESIGN TECHNOLOGY (Drafting)**

<u>ARCH 1100 Introduction to Architectural Drawing</u>	9810	(CTE)	11, 12	.5
Students will learn to design and produce architectural drawings used in residential projects. The course includes practical hand drafting skills in the production of floor plans, section, details, elevations and schedules.				
<u>ARCH 1310 Introduction to AutoCAD</u>	9813	(CTE)	11, 12	.5
<i>Prerequisite: Computer literacy or Instructor's approval</i>				
Students gain the practical knowledge in the use of Auto CAD that is essential in producing architectural drawings. This course includes hands-on applications. Simple drawings will be produced.				

<u>EDDT 1010 Technical Drafting 1</u>	9814	(CTE)	11, 12	.5
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This course teaches lab practice in board drafting techniques, the use of drafting tools, lettering, geometric construction, orthographic & isometric sketching, projection techniques, section views, & dimensioning standards in both tech. and arch disciplines.

<u>EDDT 1040 Introduction to AutoCAD</u>	9819	(CTE)	11, 12	.5
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Prerequisite: Basic computer skills
Basic skills using Auto CAD for drafting applications are taught. The course includes drawing and modification commands, construction, dimensions, templates, blocks, and libraries, hatching, layers, scales, and plotting.

**CONCURRENT ENROLLMENT
ENGINEERING**

<u>EET 1130 Introduction to Digital Design</u>	9029	(CTE)	11, 12	1.0
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Prerequisite: MATH 1010 (may be taken concurrently)
This course is an introduction to digital electronics, integrated circuits, numbering systems, Boolean algebra, gates, flip-flops, multiplexers, sequential circuits, combinational circuits, programmable logic devices, and computer architecture. The course consists of a lecture and lab combination. Laboratory activities include the design, construction, analysis, and measurement of basic digital systems. Simulation will be emphasized.

<u>EDDT 2710 AutoDesk 3D Modeling</u>	9817	(CTE)	11, 12	1.0
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Prerequisite: AutoCAD experience:
Solid modeling with Mechanical Desktop or AutoCAD Inventor will be taught. Topics include sketch planes, part construction, extraction of engineering data, assemblies and mating parts, parametric design and related drawings.

<u>ENGR 1000 Intro to Engineering Design (USU)</u>	9821	(CTE, AAF-S)	11, 12	.5
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This course introduces students to the engineering profession and to what engineers do. The course also orients students to college programs, academic advising, student services, profession societies, ethics, and engineering careers. Students learn about engineering design, problem solving, working effectively in teams, and computer applications. Students participate in the engineering design process by working within a team on several engineering design challenges.

**CONCURRENT ENROLLMENT
PROTECTIVE SERVICES**

<u>CJ 1010 Criminal Justice</u>	9150	(CTE)	11, 12	.5
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This course covers the purpose, function and history of the agencies in our criminal justice system, the Police, Courts, and Corrections.

<u>CJ 1300 Intro to Corrections</u>	9154	(CTE)	11, 12	.5
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Prerequisite: CJ 1010 or instructor approval
This course examines the history, function and administration of corrections in our criminal justice system.

<u>CJ 1330 Criminal Law</u>	9151	(CTE)	11, 12	.5
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Prerequisite: CJ 1010 or instructor approval
This course examines crimes, defenses, and the historical origins and functions of criminal law in our society. Included are criminal trial, pre- and post-trial motions and the law enforcement officer as a witness & tactics of defendants.

<u>CJ 1350 Intro to Forensic Science</u>	9156	(CTE)	11, 12	.5
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This course covers the importance of locating, collection and preservation of physical evidence at crime scenes. Included as part of the course are crime laboratory techniques and services in examination of evidence.

<u>CJ 2540 Careers in Law Enforcement</u>	9155	(CTE)	11, 12	.5
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Prerequisite: CJ 1010
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. Also available is access to law enforcement guest lectures.

<u>ESFF 1000 Survey of Fire & Rescue Emergency Services (UVU)</u>	9160	(CTE)	11, 12	.5/1.0
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This course explores career opportunities and job requirements of fire and rescue emergency services. It discusses the various duties within emergency services. It discusses the various duties within emergency services including structural firefighting, wild land firefighting, technical rescue, hazardous materials control, fire protection, fire investigations, and incident command. It explains the employment testing and selection processes of federal, state, municipal, and industrial emergency service organizations. Students develop basic emergency skills in hazard recognition, response organization, and fire extinguisher use.

**CONCURRENT ENROLLMENT
VISUAL ARTS**

<u>ART 1050 Intro to Photography</u>	1075	(CTE)	11, 12	.5
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This is an intensive college level course for highly motivated students. The course will focus on the art, mechanics, applications, and history of photography. Students will learn to use full adjustable film and digital SLR cameras. Photographs will be created using traditional darkroom process as well as digital manipulation. Students will evaluate the impact of photography on history; the important contributions photographers have made in the field of art; as well as the ethical and social concerns relating to photography.

ART 2440 Web Site Design 8664 (CTE) 11, 12 .5
Prerequisite: ART 1800 (Digital Media Essentials)
 Students learn the knowledge and skills needed to build and manage professional web sites using Dream Weaver and Fireworks. Students create interactive web sites, graphics, animation, and advanced styling using HTML, CSS, and JavaScript.

ART 1800 Digital Media Essentials 8667 (CTE) 11, 12 .5/1.0
 Students receive an introduction to software and hardware used to create multimedia productions. Students will have hands-on experience using hardware, software to create 2D/3D graphics, sound, animation, and video. The course will include discussion of the multimedia market, copyright, and ethics in mass media.

**CONCURRENT ENROLLMENT
WELDING**

WLD 1110 Fundamentals of Welding 9014 (CTE) 11, 12 1.0
Corequisite: Concurrent with WLD 1111
 This course covers the theory of shielded metal arc welding, oxy-acetylene welding and cutting. Students study electrode classification and mastery of safety procedure.

WLD 1111 Fundamentals of Welding Lab 9026 (CTE) 11, 12 1.0
Corequisite: Concurrent with WLD 1110
 This course provides practical lab applications of shielded metal arc welding, oxy-acetylene welding and cutting. It also includes the study of electrode classification, mastery of safety and rolling bend test.

**CONCURRENT ENROLLMENT
WOODWORKING**

CMGT 1225 Woodworking and Millwork 1 9860 (CTE) 11-12 .5/1.0
 This course allows students to plan a special project in an area of personal interest. Students will use the shop and tools of the trade to build projects of their own design. Safety is taught along with the correct use of equipment.

CMGT 1245 Cabinet Making and Renewable Materials 1 9861 (CTE) 11, 12 1.0
 This is a hands-on course for students with little/no cabinetmaking experience; taught safe operation of typical shop equipment, and participate in building custom cabinets for a current project home. Attendance is crucial.

CMGT 1200 Personal Projects 9863 (CTE) 11, 12 .5/1.0
 This course allows students to plan a special project in an area of personal interest (approved by the instructor). Students will use the shop & tools of the trade to build projects of their own design. Safety is taught along with the correct use of equipment.

CMGT 1010 Residential Construction Materials/Methods 9864 (CTE) 11, 12 .5
 Students will receive an overview of a building, from start to finish. Students will learn materials, tools & practices used in the construction industry. Topics include: framing, concrete, finish work, cabinets, and construction management.

CMGT 1045 Building Construction 1 9865 (CTE) 11, 12 .5
 This is a hands-on course for students with little or no experience in concrete/framing carpentry experience. Starting from a freshly excavated hole, students will build a structure, forming and placing the footings and foundation and entirely framing the structure.

CMGT 1145 Interior Finishes 1 9867 (CTE) 11, 12 .5
 This is a hands-on course for students with little/no interior finish experience. Students will work on a project house installing doors, casing, base and shelving.

**CONCURRENT ENROLLMENT
COSMETOLOGY**

COST 1100 Cosmetology Theory 1 (USU-E) 9952 (CTE) 11, 12 .5
 This course covers bacteriology, decontamination and infection control, permanent waving, chemical hair relaxing, haircutting, and hair lightening. Emphasis is placed on new technology and product knowledge from industry.

COST 1110 Cosmetology Theory 1 Lab (USU-E) 9950 (CTE) 11, 12 .5
 This lab course involves lab instruction and practical application. It teaches shampooing, scalp treatments, manicuring, hair cutting, hair dressing, tinting and bleaching, and facials.

COST 1200 Cosmetology Theory 2 (USU-E) 9955 (CTE) 11, 12 .5
 This course covers hair coloring, skin and disorders, chemistry, properties of scalp and hair, and wet and thermal hair styling.

COST 1210 Cosmetology Theory 2 Lab (USU-E) 9953 (CTE) 11, 12 .5
 This lab course involves lab instruction and practical application. It teaches shampooing, scalp treatments, manicuring, hair cutting, hair dressing, tinting and bleaching, and facials.

COST 2300 Intermediate Cosmetology Theory (USU-E) 9958 (CTE) 11, 12 .5
 This course covers salon business, electricity and light therapy, nails and disorders, manicuring, and pedicuring.

COST 2400 Intermediate Cosmetology Theory (USU-E) 9961 (CTE) 11, 12 .5
 This course covers theory of massage, facials, facial make-up, and barbering. It includes a review of previous theory classes. It includes lecture classes for the State Board exam and certification.

SPECIALIZED COURSES 7-12

<u>Aide Teacher</u>	0001-0150	(E)	7-12	.5/1.0
This is a full year or semester course that offers students a unique experience working with teachers. This position provides an opportunity to observe and model an adult at work. It provides a wide range of learning opportunities in areas such as life skills, human development, and career exploration. Teacher aides experience the opportunity to practice reliable citizenship and social skills as they interact with peers, school staff and the general public.				
<u>Aide Counselor</u>	0152	(E)	7-12	.5/1.0
Counselor Aides experience the opportunity, under the supervision of the counselors, of assisting in the counseling center with such tasks as: delivering messages to students and teachers, processing printed materials such as registration packets, answering phones, greeting visitors to the counseling center, assisting with new students and helping to prepare for counseling activities such as SEOPs, Career Days, College Day, etc.				
<u>Aide Media</u>	0153	(E)	7-12	.5/1.0
This course provides students with the opportunity to work in the library media center where they will learn the Big 6 research process and apply essential life skills. Students will assist with the operation and maintenance of the media center, dealing with people and materials in an academic setting. Technology is prominent, so students will develop computer skills. Successful completion of the course will prepare students to access materials in other libraries and to apply for entry-level employment in a public library.				
<u>Aide Office</u>	0154	(E)	7-12	.5/1.0
Under the supervision of the office staff, Office Aides assist in office tasks such as: delivering messages to students and teachers, processing and/or organizing printed materials, answering phones and greeting visitors to the office. Office Aides experience opportunities to practice reliable citizenship and social skills as they interact with peers, school staff and the general public.				
<u>Advanced Studies/Research</u>	0200	(E)	10-12	.5/1.0
This course is an extension of class time in Advanced Placement (AP), IB, and core concurrent courses (English, math, science, social studies) that do not have an additional lab class. Students with three or more Advanced Placement (AP)/IB/core concurrent courses are eligible for this course. The curriculum of Advanced Placement (AP), IB, and core concurrent courses is structured with the expectation of additional time for students to understand and process the large amounts of reading, writing, and information.				
<u>Activity Elective</u>	0201	(E)	7-12	.25/5
<u>Summer Agriculture</u>	0202	(CTE)	9-12	.5/1.0
This program is an intensive, individualized, and experiential education experience that includes the practical application of the formalized instructional competencies. Teacher supervision of the student's summer vocational agriculture (SAE) program should be a major part of the summer program. Regular work with the Utah agriculture science and technology record book is required as well as student leadership development.				
<u>Educational Release</u>	0204	(E)	7-12	.5/1.0
<u>Student Government</u>	0205	(E)	7-12	.5/1.0
This course is designed for elected/appointed student leaders. This class provides opportunities for growth in personal leadership, communication organization and collaborative skills. Students will work under the direction of a teacher advisor and the school administration.				
<u>Study Skills</u>	0206	(E)	7-12	.5/1.0
This course is a course in which students learn and apply social and academic skills and strategies. This class may cover the following areas: Organization, time management, stress management, reading strategies, test taking strategies, study strategies, note taking, academic tracking, team work, communication and goal setting, learning and interest assessments.				
<u>Peer Leadership Team</u>	6132	(E)	10-12	.5/1.0
Peer Leadership Team (P.L.T.) is a service organization designed to train and organize high school students as teams of peer educators to provide a substance abuse and violence prevention message among youth. One major component of this program is to provide peer refusal skills to 6 th grade students in their schools.				
<u>Latinos in Action</u>	0222	(E)	10-12	.5/1.0
Latinos in Action (LIA) is a service-learning leadership class that empowers students through cultural awareness, service, leadership, and a focus on excellence in education to help students be prepared for and committed to graduating from college.				
<u>People of the Pacific</u>	0223	(E)	10-12	.5/1.0
People of the Pacific (POP) is a service-learning leadership class that empowers students through cultural awareness, service, leadership, and a focus on excellence in education to help students be prepared for and committed to graduating from college.				
<u>Peer Tutoring</u>	0207	(E)	7-12	.5/1.0
Students in this course work under the supervision of Special Education teachers in assisting students who have special needs or disability conditions. It is designed for individuals who are interested in pursuing a career in fields such as in education, sociology, psychology, or social work. Because Peer Tutors are placed in a position of trust, they are expected to be highly responsible and mature in judgment.				

<u>On-Line Learning Lab</u>	0209	(E)	11, 12	Varies
This course affords students the opportunity to expand their education by taking on-line courses during their regularly scheduled school day. It provides a wide range of learning opportunities by enabling students to pursue areas of study that may not be available under a traditional high school setting. Students taking advantage of this course must earn at least 0.25 credits per quarter through the on-line source, i.e., electronic high school, university internet courses, etc. This course may be used for original credit only - no make-up credit will be allowed.				
<u>Academic Decathlon</u>	0210	(E)	10-12	.5/1.0
The Academic Decathlon course is an academically rigorous course established to train the school's Academic Decathlon team. Students will prepare for 10 different categories of competition: Art, Economics, Language & Literature, Mathematics, Music, Science, Social Science, Essay Speech, and Interview. Fundamentals in each category will be mastered as well as intense investigations in each area revolving around the yearly theme chosen by the United States Academic Decathlon (USAD). Members of the class will attend various competitions in order to establish a team that will represent the school at state competition. Teams are composed of students with GPA's near 4.0, GPA's in the mid-3.0 range, and GPA's less than 3.0.				
<u>Drivers Education</u>	0211	(E)	10-12	.5/1.0
This course includes classroom instruction during the regular school day. On-road and range driving experiences are also required before and after school and on Saturdays. Registration is based on each student's 16th birthday. Successful completion of this course may lead to acquisition of a valid Utah Driver's license. A fee is required prior to participation in this class.				
<u>ACT Prep</u>	0213	(E)	10-12	.5/1.0
This course prepares students to achieve higher ACT scores by improving content area competence, teaching a variety of test-taking strategies, and performing practice skills related to the ACT.				
<u>TA 7th Grade</u>	0870		7	.25/.50
This course provides an opportunity for students to establish a positive relationship with an adult role model in the school, to engage in silent sustained reading, to participate in character education and to focus on study skills. Teachers provide students with academic support in a mentorship environment. Participation in this class will help to enhance the core curriculum and to create a more positive environment in the school. Students have the opportunity to earn .25 credits per semester based on participation in all Teacher Advisory activities.				
<u>TA 8th Grade</u>	0880		8	.25/.50
This course provides an opportunity for students to establish a positive relationship with an adult role model in the school, to engage in silent sustained reading, to participate in character education and to focus on study skills. Teachers provide students with academic support in a mentorship environment. Participation in this class will help to enhance the core curriculum and to create a more positive environment in the school. Students have the opportunity to earn .25 credits per semester based on participation in all Teacher Advisory activities.				
<u>TA 9th Grade</u>	0890	(E)	9	.25/.50
This course provides an opportunity for students to establish a positive relationship with an adult role model in the school, to engage in silent sustained reading, to participate in character education and to focus on study skills and monitor progress toward academic and career goals. Teachers provide students with academic support in a mentorship environment. Participation in this class will help to enhance the core curriculum and to create a more positive environment in the school. Students have the opportunity to earn .25 credits per semester based on participation in all Teacher Advisory activities.				
<u>TA 10th Grade</u>	0810	(E)	10	.25
This course provides an opportunity for students to establish a positive relationship with an adult role model in the school, to participate in character education, to focus on study skills and monitor progress toward academic and career goals. Teachers provide students with academic support in a mentorship environment. Participation in this class will help to enhance the core curriculum and to create a more positive school environment. Students have the opportunity to earn .25 credits per year based on participation in all Teacher Advisory activities.				
<u>TA 11th Grade</u>	0820	(E)	11	.25
This course provides an opportunity for students to establish a positive relationship with an adult role model in the school, to participate in character education, to focus on study skills and monitor progress toward academic and career goals. Teachers provide students with academic support in a mentorship environment. Participation in this class will help to enhance the core curriculum and to create a more positive school environment. Students have the opportunity to earn .25 credits per year based on participation in all Teacher Advisory activities.				
<u>TA 12th Grade</u>	0830	(E)	12	.25
This course provides an opportunity for students to establish a positive relationship with an adult role model in the school, to participate in character education, to focus on study skills and to prepare for transitioning to post-secondary education, advanced training, military service, and/or employment. Teachers provide students with academic support in a mentorship environment. Participation in this class will help to enhance the core curriculum and to create a more positive school environment. Students have the opportunity to earn .25 credits per year based on participation in all Teacher Advisory activities.				
<u>Service Learning</u>	6151	(E)	10-12	.25
This credit is usually awarded to students who have given 35 hours or more of their own time volunteering in the community surrounding the school. Service learning is not usually a stand-alone course. Optimally, this course should be linked to core courses that would spend time researching needs in their school and surrounding community. The students and teachers brainstorm possible solutions to some of these problems and how they could use school/business partnerships to procure the				

YOUTH IN SPECIAL PROGRAMS (YSP)

<u>Language Arts 7</u>	0315	<u>Biology</u>	0332
<u>Language Arts 8</u>	0316	<u>Earth Systems</u>	0333
<u>Language Arts 9</u>	0317	<u>Integrated Science 7</u>	0334
<u>Language Arts 10</u>	0318	<u>Integrated Science 8</u>	0335
<u>Language Arts 11</u>	0319	<u>Geography for Life</u>	0340
<u>Language Arts 12</u>	0320	<u>U.S. History</u>	0341
<u>Secondary Reading 7-8</u>	0321	<u>Utah Studies</u>	0342
<u>Secondary Reading 9-12</u>	0322	<u>World Civilizations</u>	0343
<u>Secondary Math 1</u>	0323	<u>United States Government and Citizenship</u>	0344
<u>Secondary Math 2</u>	0324	<u>Health</u>	0346
<u>Mathematics of Personal Finance</u>	0349	<u>Student Study Skills</u>	0347
<u>Computer Technology 1</u>	0350	<u>Related Work-Based Learning (CWE)</u>	0348
<u>Financial Literacy</u>	0331		

ENGLISH AS A SECOND LANGUAGE (ESL)

English Language Development Instruction 0449 (Elective Credit)

RELEASE TIME

<u>Release Time 9</u>	0600
<u>Release Time 10-12</u>	0601
<u>Release Time ND</u>	0604

SPECIAL EDUCATION (SP)

"SP" denotes classes taught in special programs for students under an Individual Education Program (IEP).
The curriculum key in Skyward for South Valley is "SCH802".

7th Grade Mathematics 0564 7 1.0

In 7th Grade Mathematics students with disabilities will focus on developing understanding of and applying proportional relationships, developing understanding of operations with rational numbers and working with expressions and linear equations; solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and drawing inferences about populations based on samples.

8th Grade Mathematics 0565 8 1.0

In 8th Grade Mathematics students with disabilities will focus on formulating and reasoning about expressions and equations, including modeling and association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; grasping the concept of a function and using functions to describe quantitative relationships; and analyzing two- and three- dimensional space and figures using distance, angle, similarity, and congruence, and understanding, and applying the Pythagorean Theorem.

Adaptive PE (7, 8) 0550 7, 8 .5/1.0

This physical education course is adapted to individual needs of students as determined by the IEP team. This course must be taught by a certified physical education teacher. It fulfills the core requirements of junior high school physical education.

Adaptive PE (9-12) 0532 (IFA) 9-12 .5

This physical education course is adapted to individual needs of students as determined by the IEP team. This course must be taught by a certified physical education teacher. It fulfills the core requirements of high school physical education.

Applied Skills 0533 (CTE) 7-12 .5/1.0

(Note: using this course for math instruction should be done with caution and should be aligned with the student's IEP).

This course is designed to provide specialized instruction for students with disabilities when applying general curriculum concepts.

Basic Skills 0534 (E) 7-12 .5/1.0

(Note: using this course for math instruction should be done with caution and should be aligned with the student's IEP).

This course is designed to provide specialized instruction for students with disabilities who require basic general curriculum concepts.

Basic Skills Language Arts 7 0570.1 7 .5.1.0

This course is designed to provide specialized instruction for students with disabilities when applying general curriculum concepts. This course will incorporate the 7th Grade Essential Elements for English Language Arts including standards for writing, language, speaking, and listening. The Essential Elements are specific statements of knowledge and skills linked to the grade-level expectations identified in the Common Core State Standards (CCSS). The purpose of the Essential Elements is to build a bridge from the CCSS content to academic expectations for students with significant cognitive disabilities.

Basic Skills Language Arts 8 0570.2 8 .5.1.0

This course is designed to provide specialized instruction for students with disabilities when applying general curriculum concepts. This course will incorporate the 8th Grade Essential Elements for English Language Arts including standards for writing, language, speaking, and listening. The Essential Elements are specific statements of knowledge and skills linked to the grade-level expectations identified in the Common Core State Standards (CCSS). The purpose of the Essential Elements is to build a bridge from the CCSS content to academic expectations for students with significant cognitive disabilities.

Basic Skills Language Arts 9 0570.3 (E) 9 .5.1.0

This course is designed to provide specialized instruction for students with disabilities when applying general curriculum concepts. This course will incorporate the 9th Grade Essential Elements for English Language Arts including standards for writing, language, speaking, and listening. The Essential Elements are specific statements of knowledge and skills linked to the grade-level expectations identified in the Common Core State Standards (CCSS). The purpose of the Essential Elements is to build a bridge from the CCSS content to academic expectations for students with significant cognitive disabilities.

Basic Skills Language Arts 10 0570.4 (E) 10 .5.1.0

This course is designed to provide specialized instruction for students with disabilities when applying general curriculum concepts. This course will incorporate the 10th Grade Essential Elements for English Language Arts including standards for writing, language, speaking, and listening. The Essential Elements are specific statements of knowledge and skills linked to the grade-level expectations identified in the Common Core State Standards (CCSS). The purpose of the Essential Elements is to build a bridge from the CCSS content to academic expectations for students with significant cognitive disabilities.

Basic Skills Language Arts 11 0570.5 (E) 11 .5.1.0

This course is designed to provide specialized instruction for students with disabilities when applying general curriculum concepts. This course will incorporate the 11th Grade Essential Elements for English Language Arts including standards for writing, language, speaking, and listening. The Essential Elements are specific statements of knowledge and skills linked to the grade-level expectations identified in the Common Core State Standards (CCSS). The purpose of the Essential Elements is to build a bridge from the CCSS content to academic expectations for students with significant cognitive disabilities.

<u>Basic Skills Reading 9</u>	0571.3	(E)	9	.5/1.0
This course is designed to provide specialized instruction for students with disabilities when applying general curriculum concepts. This course will incorporate the 9 th Grade Essential Elements for reading literature and informational text. The Essential Elements are specific statements of knowledge and skills linked to the grade-level expectations identified in the Common Core State Standards (CCSS). The purpose of the Essential Elements is to build a bridge from the CCSS content to academic expectations for students with significant cognitive disabilities.				
<u>Basic Skills Reading 10</u>	0571.4	(E)	10	.5/1.0
This course is designed to provide specialized instruction for students with disabilities when applying general curriculum concepts. This course will incorporate the 10 th Grade Essential Elements for reading literature and informational text. The Essential Elements are specific statements of knowledge and skills linked to the grade-level expectations identified in the Common Core State Standards (CCSS). The purpose of the Essential Elements is to build a bridge from the CCSS content to academic expectations for students with significant cognitive disabilities.				
<u>Basic Skills Reading 11</u>	0571.5	(E)	11	.5/1.0
This course is designed to provide specialized instruction for students with disabilities when applying general curriculum concepts. This course will incorporate the 11 th Grade Essential Elements for reading literature and informational text. The Essential Elements are specific statements of knowledge and skills linked to the grade-level expectations identified in the Common Core State Standards (CCSS). The purpose of the Essential Elements is to build a bridge from the CCSS content to academic expectations for students with significant cognitive disabilities.				
<u>Basic Skills Reading 12</u>	0571.6	(E)	12	.5/1.0
This course is designed to provide specialized instruction for students with disabilities when applying general curriculum concepts. This course will incorporate the 12 th Grade Essential Elements for reading literature and informational text. The Essential Elements are specific statements of knowledge and skills linked to the grade-level expectations identified in the Common Core State Standards (CCSS). The purpose of the Essential Elements is to build a bridge from the CCSS content to academic expectations for students with significant cognitive disabilities.				
<u>Biology</u>	0517	(BS)	9-12	1.0
This course includes the topics of ecosystems, cells, heredity, diversity, organ systems and evolution. Students will explain biological ideas or concepts in their own words relate them to other topics and apply them in new contexts. This course is for students with disabilities.				
<u>Careers, Career Awareness/Skills</u>	0535	(E)	7-12	.5/1.0
This course is designed to introduce students with disabilities to a variety of career fields. Content may include: interest inventories, proficiency exams to help identify career fields appropriate to students' skills and interests, resume writing, interviewing skills, people skills, and other employability skills.				
<u>Community Studies</u>	0536	(E)	7-12	.5/1.0
This course is designed to provide specialized instruction for students with disabilities accessing their community which may include public transportation, medical facilities, library, grocery store and recreational facilities and/or programs as part of transition activities for students with disabilities.				
<u>Daily Living Skills 7</u>	0537.1		7	.5/1.0
This course is designed to provide specialized instruction for students with disabilities in daily living skills.				
<u>Daily Living Skills 8</u>	0537.2		8	.5/1.0
This course is designed to provide specialized instruction for students with disabilities in daily living skills.				
<u>Daily Living Skills 9</u>	0537.3	(E)	9	.5/1.0
This course is designed to provide specialized instruction for students with disabilities in daily living skills.				
<u>Daily Living Skills 10</u>	0537.4	(E)	10	.5/1.0
This course is designed to provide specialized instruction for students with disabilities in daily living skills.				
<u>Daily Living Skills 11</u>	0537.5	(E)	11	.5/1.0
This course is designed to provide specialized instruction for students with disabilities in daily living skills.				
<u>Daily Living Skills 12</u>	0537.5	(E)	12	.5/1.0
This course is designed to provide specialized instruction for students with disabilities in daily living skills.				
<u>Directed Studies</u>	0538	(E)	7-12	.5/1.0
This course is designed to provide specialized instruction for targeted, individualized education goals for students with disabilities.				
<u>Earth Science</u>	0518	(BS)	9-12	1.0
This course integrates content from earth, physical, space and life sciences. Students develop an understanding of interactions and interdependence within and between earth systems and biological systems, atmospheric systems, water systems, geologic systems, energy systems and space. This course is for students with disabilities.				

<u>Geography for Life</u>	0525	(GFL)	9-12	1.0
Geography studies the earth, its features and human life. This is a core course for students with disabilities. It fulfills the requirements for Social Studies for secondary students with disabilities.				
<u>Health Ed 1 (7, 8)</u>	0531		7, 8	.5/1.0
This is an introductory required core class for students with disabilities providing opportunities for students to develop knowledge, skills and attitudes necessary for practicing lifelong, health enhancing behaviors.				
<u>Health Ed 2 (9-12)</u>	0530	(HE)	9-12	.5/1.0
Advanced required core curriculum course that builds on the concepts and principles developed in Health 1 for students with disabilities.				
<u>Integrated Science 7</u>	0519		7	.5/1.0
This is a core course for students with disabilities. It fulfills the requirements for Science for 7 th grade students.				
<u>Integrated Science 8</u>	0520		8	1.0
This is a core course for students with disabilities. It fulfills the requirements for Science for 8 th grade students.				
<u>Job Sampling</u>	0541	(CTE)	7-12	.5/1.0
Students with disabilities will be provided with practical work experiences in various occupations as part of their career exploration.				
<u>Job Training</u>	0542	(CTE)	7-12	.5/1.0
Students with disabilities will learn workplace skills through participation in a variety of work experiences.				
<u>Language Arts 7</u>	0500		7	1.0
This is a course in reading, writing, and inquiry for students with disabilities that aligns with the 7th Grade Utah English Language Arts (ELA) Core Standards				
<u>Language Arts 8</u>	0501		8	1.0
This is a course in reading, writing, and inquiry for students with disabilities that aligns with the 8th Grade Utah English Language Arts (ELA) Core Standards				
<u>Language Arts 9</u>	0502	(LA)	9	1.0
This is a course in reading, writing, and inquiry for students with disabilities that aligns with the 9th Grade Utah English Language Arts (ELA) Core Standards				
<u>Language Arts 10</u>	0503	(LA)	10	1.0
This is a course in reading, writing, and inquiry for students with disabilities that aligns with the 10th Grade Utah English Language Arts (ELA) Core Standards				
<u>Language Arts 11</u>	0504	(LA)	11	1.0
This is a course in reading, writing, and inquiry for students with disabilities that aligns with the 11th Grade Utah English Language Arts (ELA) Core Standards				
<u>Language Arts 12</u>	0505	(LA)	12	1.0
This is a course in reading, writing, and inquiry for students with disabilities that aligns with the 12th Grade Utah English Language Arts (ELA) Core Standards				
<u>Secondary Reading (7, 8)</u>	0506		7/8	.5/1.0
This is a course in reading for students with disabilities that targets instruction in reading comprehension, vocabulary and reading skills for reading literary, informational, and functional texts.				
<u>Secondary Reading (9-12)</u>	0507	(E)	9-12	.5/1.0
This is a course in reading for students with disabilities that targets instruction in reading comprehension, vocabulary and reading skills for reading literary, informational, and functional texts.				
<u>Learning Strategies</u>	0543	(E)	7-12	.5/1.0
This course is designed to provide specialized instruction in which students with disabilities learn and apply strategies while accessing the general curriculum.				
<u>Life Skills 7</u>	0544.1		7	.5/1.0
This course is designed to provide specialized instruction for students with disabilities under the direction of the special educator and/or related service provider.				
<u>Life Skills 8</u>	0544.2		8	.5/1.0
This course is designed to provide specialized instruction for students with disabilities under the direction of the special educator and/or related service provider.				
<u>Life Skills 9</u>	0544.3	(E)	9	.5/1.0
This course is designed to provide specialized instruction for students with disabilities under the direction of the special educator and/or related service provider.				

Life Skills 10 0544.4 (E) 10 .5/1.0
 This course is designed to provide specialized instruction for students with disabilities under the direction of the special educator and/or related service provider.

Life Skills 11 0544.5 (E) 11 .5/1.0
 This course is designed to provide specialized instruction for students with disabilities under the direction of the special educator and/or related service provider.

Life Skills 12 0544.6 (E) 12 .5/1.0
 This course is designed to provide specialized instruction for students with disabilities under the direction of the special educator and/or related service provider.

Secondary Mathematics 1 0566 (M) 8-10 1.0

Prerequisite: 8th Grade Mathematics

Students with disabilities in Secondary Mathematics I will deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomenon, and in part by applying linear models to data that exhibit a linear trend. Students will use properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge. Algebraic and geometric ideas are tied together. Students will experience mathematics as a coherent useful and logical subject that makes use of their ability to make sense of problem situations.

Secondary Mathematics 2 0567 (M) 9-11 1.0

Prerequisite: Secondary Mathematics 1

Students with disabilities in Secondary Mathematics II will focus on quadratic expressions, equations, and functions, extend the set of rational numbers to the set of complex numbers, link probability and data through conditional probability and counting methods, study similarity and right triangle trigonometry, and study circles with their quadratic algebraic representations.

Secondary Mathematics 3 0568 (M) 10-12 1.0

Prerequisite: Secondary Mathematics 2

Students with disabilities in Secondary Mathematics III will pull together and apply the accumulation of learning they have from previous courses. They will apply methods from probability and statistics to draw inferences and conclusions from data, expand their repertoire of functions to include polynomial, rational, and radical functions, expand their study of trigonometry to include general triangles, and use functions and geometry to create models and solve contextual problems.

Supplemental Secondary Mathematics 0569 (E) 9-12 .5/10

This course is designed to provide supplemental math instruction to support a core mathematics course. It should not be taught as a stand-alone course. The standards of the course are those of the associated core course.

Study Skills 0546 (E) 7-12 .5/1.0

This course is designed to provide specialized instruction in which students with disabilities learn and apply social and academic skills and strategies. This class may cover: Organization, time management, stress management, reading strategies, test taking strategies, study, note taking, academic tracking, team work, communication and goal setting, learning and interest assessments.

Transition 0547 (CTE) 7-12 .5/1.0

This course is designed to provide specialized instruction to facilitate student achievement of post-secondary goals including post-secondary education, training, employment, independent living and community access. It is for students with disabilities.

U.S. History 1 (7, 8) 0526 7, 8 1.0

This is a core course for students with disabilities. It fulfills the Social Studies requirements for 8th grade students. It involves Exploration through Reconstruction.

U.S. History 2 (9-12) 0524 (USH) 9-12 1.0

This is a core course for students with disabilities. It fulfills the Social Studies requirements for 11th grade students. It is a survey of American history with an emphasis on post-Reconstruction America (1876-Present), but it also includes a review of the earlier period.

U.S. Government and Citizenship 0529 (USGC) 10-12 .5

This is a core class that is recommended for seniors. This course will present the major ideas, protections, privileges, structures, and economic systems that affect the life of a citizen in the United States political system.

Utah Studies 0527 7-8 .5

This is a core class for 7th grade students with disabilities. It is designed to help students understand the state of Utah at a deeper level by reviewing Utah's early history and particularly emphasizing Utah from statehood to the present.

World Civilizations 2 (9-12) 0528 (WC) 9-12 1.0

This is a core class for 10th grade students with disabilities. It is designed as a survey class, describing the relationships that have developed over time among major regions of the world: East Asia, South Asia, Southwest Asia (Middle East), Africa, Europe, North America and Latin America

Related Work-Based Learning (CWE)

0549

(CTE)

11-12

.5/4.0

A program that offers cooperative work experience, which is correlated with the in-school-related instruction and is, designed to bridge the gap between school and work. The training is directly related to the student's career goals identified through a Student Educational Occupational Plan (SEOP). Students will have a training plan, supervision by a school/district coordinator and will be paid according to the state and federal labor laws. A minimum of three hours per week of related instruction must be provided through a regular career and technical education program.

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