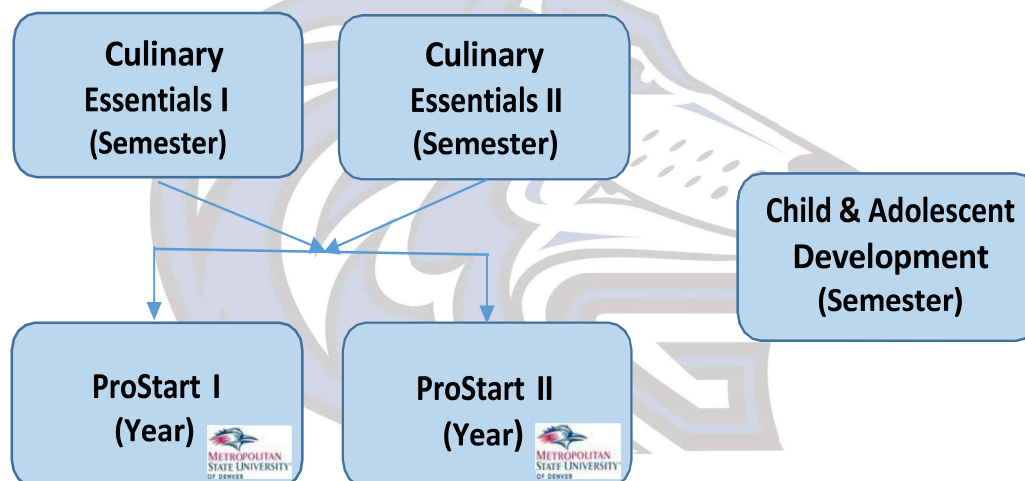


FAMILY & CONSUMER SCIENCES



FAMILY & CONSUMER SCIENCES COURSE DESCRIPTIONS

The Family and Consumer Sciences program offers a wide selection of elective, practical arts and life skills courses for all students. Areas of study include foods and nutrition, culinary arts and hospitality, human development and the family, parenting and child development, future teacher preparation, and career awareness in other related occupations. Students who desire the practical application of their academic skills, while working cooperatively with others on interesting, hands-on, classroom activities and projects, will enjoy the challenges that lay ahead.

CULINARY ESSENTIALS I

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: None

Fee: \$25 food fee

This course is designed to introduce students to a variety of culinary skills and food preparation. Through instruction and culinary lab practice, this class will provide an opportunity for students to learn food preparation and demonstrate food safety. Some topics include introductory culinary skills and preparation of items such as quick breads, yeast breads, and eggs; as well as meal and menu planning, nutrition, and food borne illnesses. Students will be able to demonstrate the correct procedures and techniques in introductory culinary labs, analyze nutritional guidelines and plan menus that are nutritionally balanced and demonstrate food safety standards.

CULINARY ESSENTIALS II

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: Culinary Essentials I

Fee: \$25 food fee

This intermediate culinary course is designed for students interested in exploring culinary careers and to advance them to the next level of food preparation expanding. The students will have the opportunity to prepare menu items that involve more detailed procedures, and practice techniques used in the culinary field. Students in this class will classify pasta types and create fresh pasta dishes, prepare and evaluate the nutritional value of various types of meats, select herbs and spices to enhance flavors of foods and apply techniques used in cake and cookie decorating. They will develop skills in preparing advanced yeast breads and pastries, identify the origins and prepare foods from different regions and cultures and emphasize presentation throughout the course.

PROSTART I



Grade Level: 10 – 12

Year: 1.0 Credit

Prerequisites: Successful completion of Culinary Essentials I, Culinary Essentials II or extensive culinary experience approved by the teacher

Fees: \$50 food fee, optional fees for chef coat, competition and Metropolitan State University credit

This course from the National Restaurant Association introduces students to the world of professional cooking! Basic communication skills, safety and sanitation, food preparation, meal planning, and other topics are taught in this course. FCCLA is an integral part of this course. The class will teach you basic food safety and sanitation, customer service, food preparation and employability skills. We will take exciting tours and host many great guest speakers. You will have the opportunity for a paid internship working with a professional mentor in the area of food service, hotel lodging or hospitality. This course aligns with Metropolitan State University dual enrollment Food Fundamentals (RST 1550). Students will have the opportunity to earn high school credit while at the same time enroll in and earn college credits with the opportunity to transfer credit to an institution of higher education. If a student chooses to enroll in dual enrollment (college) credit, they may be responsible to pay a portion of the tuition. More information can be found in the Concurrent Enrollment section.

PROSTART II



Grade Level: 10 – 12

Year: 1.0 Credit

Prerequisites: Successful completion of Culinary Essentials I, Culinary Essentials II or extensive culinary experience approved by the teacher. *Note that ProStart II can be taken prior to ProStart I and they do NOT need to be taken in order.

Fees: \$25/semester food fee, optional fees for chef coat, competition and Metropolitan State University credit

Students will continue to be trained for employment in restaurants and hospitality. The basic skills taught in ProStart I will be reviewed and additional skills such as customer relations, accounting procedures, and more advanced food preparation skills will be taught. FCCLA is an integral part of this course. Students will investigate career paths in lodging and work at a paid internship at a large hotel. This course will train you in food preparation techniques as well as hotel/motel management skills. You will take exciting field trips and hear from guest speakers in the industry. Opportunities exist for each student to participate in a paid mentor position in the area of food service, hotel lodging or hospitality. This course aligns with Metropolitan State University dual enrollment Food Preparation and Science (RST 2550). Students will have the opportunity to earn high school credit while at the same time enroll in and earn college credits with the opportunity to transfer credit to an institution of higher education. If a student chooses to enroll in dual enrollment (college) credit, they may be responsible to pay a portion of the tuition. More information can be found in the Concurrent Enrollment section.

CHILD & ADOLESCENT DEVELOPMENT

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: None

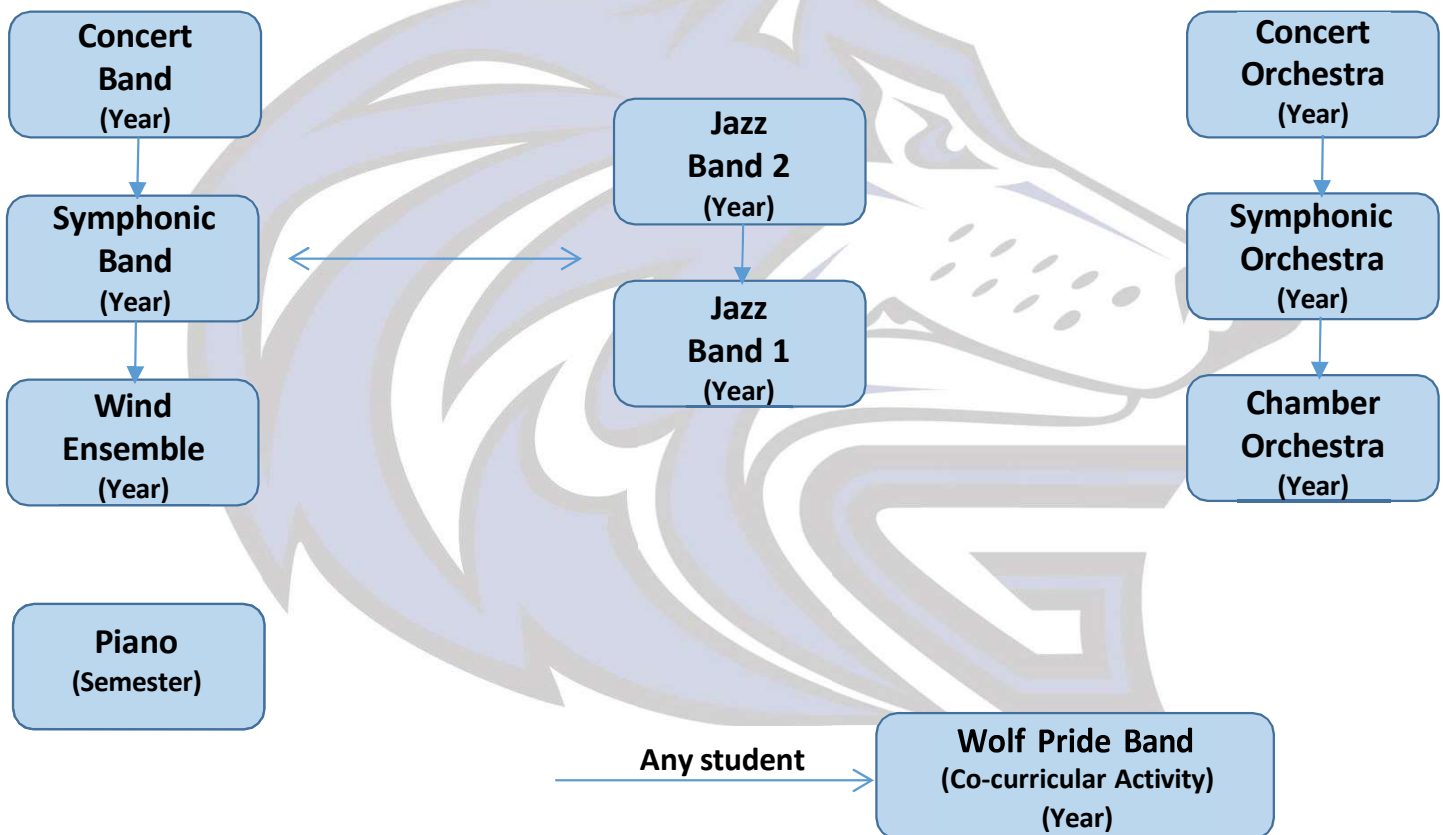
Fee: \$25 equipment maintenance fee

Do you love children? Do you want to work with children or be a parent one day? Child & Adolescent Development is designed for students interested in child development and/or careers related to pediatrics, psychology, social services, education, and parenting. The purpose of this course is to acquire knowledge and understanding of child and adolescent development necessary for strengthening the well-being of children and families. Content focuses on perspectives of human development, research and theories, understanding and nurturing development, and challenges to development. This class also includes an optional weekend long simulation experience with an infant simulator!

PERFORMING ARTS

At Grandview High School, “The Arts Make a Difference!” Arts education is essential to each person’s development. Performing arts are vehicles for cultivating personal expression and for fostering creative potential. As a result of participation in the arts, students discover our shared cultural heritage and prepare for meaningful lifelong careers. Considering the many benefits of an arts education, participation in one or more areas of Grandview’s diverse and dynamic arts program should be an integral part of the course of study for all students wanting a well-rounded educational experience. The arts at Grandview High School will make a difference in your life! In addition to the courses listed below, students have the opportunity to participate in Wolf Pride Band. The Wolf Pride Band is open to any students with previous band experience. Rehearsals will be scheduled after school on a weekly basis during the fall and winter sports seasons.

INSTRUMENTAL EDUCATION



INSTRUMENTAL EDUCATION COURSE DESCRIPTIONS

CONCERT BAND

Grade Level: 9 – 12

Year: 1.0 Credit

Prerequisites: Prior band experience**Fee:** \$50.00-\$100.00 for uniform; \$150.00 to rent instrument (if needed)

The Concert Band is open to students who have 2 or more years previous band experience and have a desire to continue developing their skills on a wind or percussion instrument. No audition is required for this class. Students will develop greater skills in ensemble playing while reinforcing their knowledge of fundamentals such as proper posture and breath support, instrument position, and tone production. Students will learn about great composers of wind band repertoire and will develop a greater understanding of what makes an excellent performance. Concerts will be scheduled throughout the year, and attendance at each performance is mandatory.

SYMPHONIC BAND

Grade Level: 9 – 12

Year: 1.0 Credit

Prerequisites: Concert Band and/or audition by instructor**Fee:** \$50.00-\$100.00 for uniform; \$150.00 to rent instrument (if needed)

The Symphonic Band is comprised of auditioned band players and percussionists who demonstrate strong skills in basic musicianship and have a desire to further develop and refine their abilities. Students who become members of the symphonic band will have the opportunity to study music that is more difficult than that encountered in the concert band yet not quite as difficult as the literature played by the wind ensemble. It is expected that each student will be willing to practice on their own outside of the school day. Concerts will be scheduled throughout the year, and attendance at all performances is mandatory. Interested students will also have an opportunity to learn about chamber music by forming small ensembles that will rehearse outside of class.

WIND ENSEMBLE

Grade Level: 10 – 12

Year: 1.0 Credit

Prerequisites: Symphonic Band and/or audition by instructor**Fee:** \$50.00-\$100.00 for uniform; \$150.00 to rent instrument (if needed)

The Wind Ensemble is a select group comprised of the most advanced wind players and percussionists at Grandview High School. Students who become members of the wind ensemble will have the opportunity to perform a number of great works from the wind band repertoire, including those of contemporary composers. As the emphasis of this course will be on difficult literature, it is expected that each student demonstrates a high level of commitment and personal responsibility. Students will be expected to practice on a regular basis. Students who excel often study privately with a qualified instructor. Several concerts will be scheduled throughout the year, and attendance at each performance is mandatory. Chamber music performance opportunities will also be made available to interested students and are strongly encouraged.

JAZZ BAND 2

Grade Level: 9 – 12

Year: 1.0 Credit

Prerequisites: Audition by instructor**Fee:** \$50.00-\$100.00 for uniform; \$150.00 to rent instrument (if needed)

The Jazz Band 2 is open to any student with a successful audition who wants to develop a better understanding of what it means to perform in a “jazz ensemble.” Students will learn about the basic skills necessary to perform with jazz style, including phrasing, articulation, and interpretation. Students will also learn about jazz theory and harmony. All students will be encouraged to explore the concepts of improvisation and jazz solo construction. Concerts will be scheduled throughout the year, and attendance at all performances is mandatory. This class serves as a prerequisite for the Jazz Band 1.

JAZZ BAND 1

Grade Level: 10 – 12

Year: 1.0 Credit

Prerequisites: Jazz Band 2 and/or audition by instructor

Fee: \$60.00-\$120.00 for uniform; \$150.00 to rent instrument (if needed)

The Jazz Band 1 is a group of the most advanced jazz players. A strong emphasis will be placed on performance and developing skills in improvisation and in developing a better understanding of various musical styles such as swing, jazz ballad, funk, fusion, Latin, etc. Students will be expected to practice on a regular basis and to demonstrate a high level of commitment and personal responsibility. Concerts will be scheduled throughout the year, and attendance at all performances is mandatory.

CONCERT ORCHESTRA

Grade Level: 9 – 12

Year: 1.0 Credit

Prerequisites: No audition, two or more years of experience on a string orchestral instrument

Fee: \$60.00-\$120.00 for uniform; \$150.00 to rent instrument (if needed)

This group performs original and arranged string orchestra repertoire from the Baroque, Classical, and Modern eras, as well as pop, Celtic, Rock, and many more. The primary focus is on refining technique and some remedial concepts through small group and individualized instruction. Concerts will be scheduled throughout the year and attendance at each performance is mandatory.

SYMPHONIC ORCHESTRA

Grade Level: 9 – 12

Year: 1.0 Credit

Prerequisites: Concert Orchestra and/or audition and written recommendation from high school director

Fee: \$60.00-\$120.00 for uniform; \$150.00 to rent instrument (if needed)

The Symphonic Orchestra is comprised of auditioned string players who demonstrate strong skills in basic musicianship and have a desire to further develop and refine their abilities. Primary focus is on refining shifting techniques, vibrato and bowing styles. Students who become members of the symphonic orchestra will have the opportunity to study music that is more difficult than that encountered in concert orchestra yet not quite as difficult as the literature played by chamber orchestra. It is expected that each student will be willing to practice on their own outside of the school day. Concerts will be scheduled throughout the year, and attendance at all performances is mandatory. Interested students will also have an opportunity to perform full orchestra music with members of the Wind Ensemble for the full symphonic experience.

CHAMBER ORCHESTRA

Grade Level: 10 – 12

Year: 1.0 Credit

Prerequisites: Audition and recommendation from high school director

Fee: \$60.00-\$120.00 for uniform; \$150.00 to rent instrument (if needed)

The Chamber Orchestra is an audition based group compiled of the most advanced string players at Grandview High School. Students who become members of the Chamber Orchestra will have the opportunity to perform a number of great works from orchestra repertoire. As the emphasis of this course will be on difficult repertoire, it is expected that each student demonstrate a high level of commitment and personal responsibility. Students are expected to practice on a regular basis and advised to study privately with a qualified instructor. Several concerts are scheduled throughout the year and attendance at each performance is mandatory. Quartet/Chamber music opportunities are available to those interested and is strongly encouraged.

PIANO

Grade Level: 9 – 12

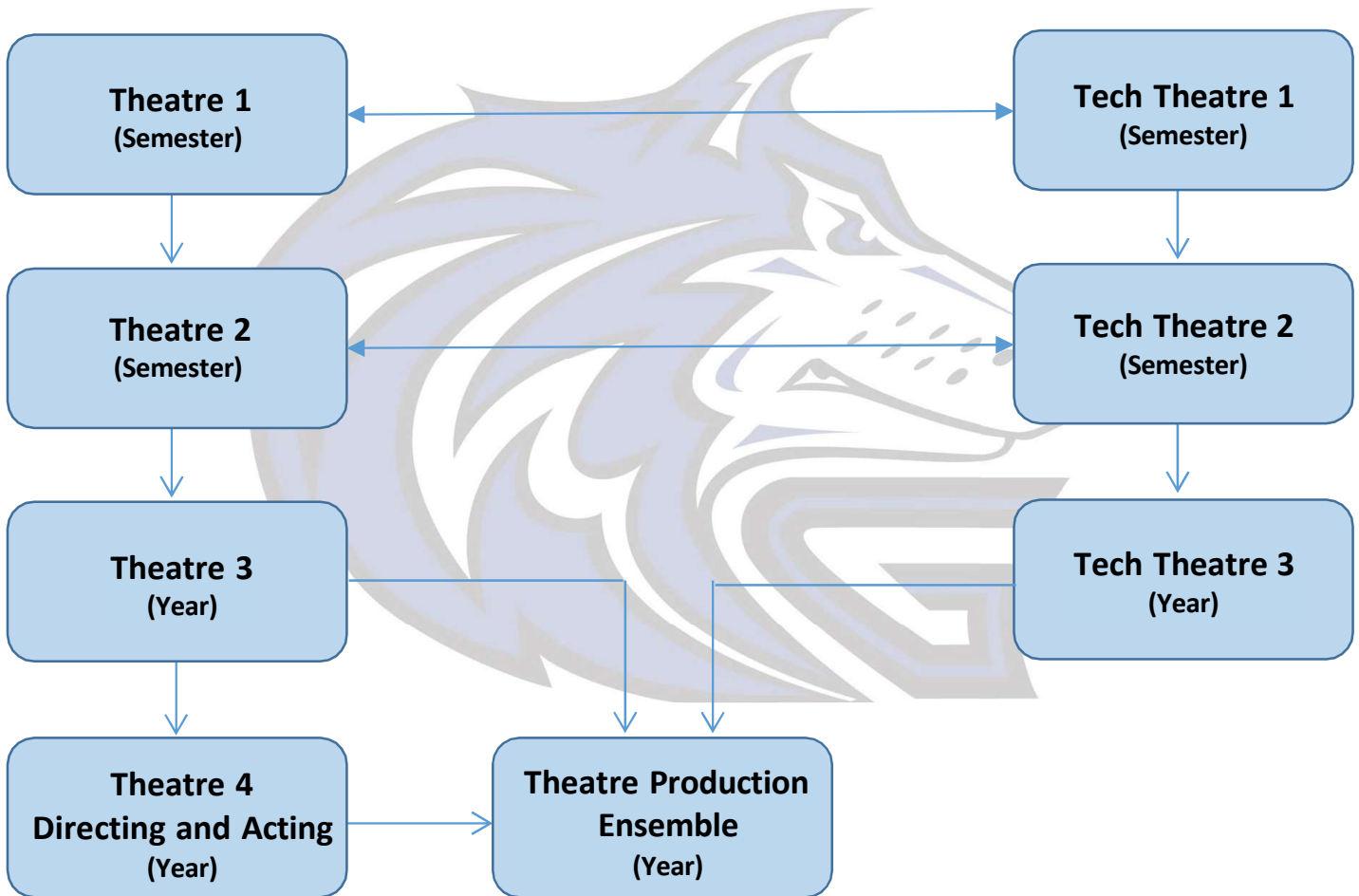
Semester: 0.5 Credit

Prerequisites: None

Fee: \$30.00 required for books

All students of all ability levels are welcome to join Piano Lab to hone their musical skills. Students will learn to play the piano for the first time, learn to write their own music, or work on advanced piano technique and music theory, all using our online curriculum, eNovative Piano. Students will have the opportunity to choose music to play in mini-recitals throughout the semester.

THEATRE



THEATRE COURSE DESCRIPTIONS

THEATRE 1

Prerequisites: None

Grade Level: 9 – 12

Semester: 0.5 Credit

Students in Theatre 1 develop the beginning acting skills of a mature performer and obtain an overview of theatre at Grandview High School. Participation in class activities enhances the student's self-confidence, poise, and creativity. Performance projects include, but are not limited to improvisation, storytelling, pantomime, monologues, and scenes. In addition to classwork, students are required to view two live theatre productions outside of class.

THEATRE 2

Prerequisites: Theatre 1

Grade Level: 9 – 12

Semester: 0.5 Credit

In Theatre 2, students expand on skills learned in Theatre 1. Emphasis will be given to script and character analysis through daily acting, improvisation, and discussion. Performance projects include, but are not limited to scene study, monologues, improvisation, voice, movement, and auditioning. In addition to classwork, students are required to view two live theatrical productions outside of the classroom.

THEATRE 3

Grade Level: 10 – 12

Year: 1.0 Credit

Prerequisites: Theatre 2 and instructor approval

Theatre 3 is an advanced course in acting. Students build on the skills developed in Theatre 1 & 2. Course work includes Viewpoints (movement based acting), improvisation, methods of acting, history of theatre and script development. In addition, students are required to view two live theatrical productions outside the classroom per semester and are strongly encouraged to participate in the Colorado State Thespian Conference.

THEATRE 4 DIRECTING AND ACTING

Grade Level: 11 – 12

Year: 1.0 Credit

Prerequisites: Theatre 3 and instructor approval

Theatre 4 allows students to pursue the fundamentals of stage direction. It emphasizes the artistic and collaborative development of auditioned acting students. Scenes are drawn from the Greeks, Shakespeare, Moliere, Chekhov, Williams, and Wilson, among others. Course work may include the following: directing and advanced acting, script and character analysis, and design concepts. Students refine the skills studied in Theatre 1, 2 and 3. Course work includes Viewpoints (movement based acting), improvisation, methods of acting, history of theatre and script development. In addition to classwork, students are required to view two live theatrical productions outside of the classroom and are encouraged to participate in the State Thespian Conference.

THEATRE PRODUCTION ENSEMBLE

Grade Level: 11 – 12

Year: 1.0 Credit

Prerequisites: Audition only

This audition-only course is for the advanced theatre student. It emphasizes the artistic and collaborative development of auditioned, advanced students. Play production is the core of this class. Students may be performing the following dramatic genres: murder mystery, children's theatre, improvisation, Shakespeare, 1-Acts and/or ensemble production. Students are required to participate in the evening productions, which will be produced at least once a quarter. Participation in the State Thespian Conference, as well as play production is strongly encouraged.

TECH THEATRE 1

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: None

Fee: \$25.00

Tech Theatre 1 offers students a hands-on opportunity to learn many aspects of stagecraft. Students will learn safety, scenery construction, scenic painting and stage lighting. In addition to classwork, students are required to view one live theatrical production outside of the classroom and write a reflection on their experience.

TECH THEATRE 2

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: Theatre 1

Fee: \$25.00

Tech Theatre 2 offers a continuation of the basics of backstage work. Students will study costume design and construction, sound engineering, stage make-up/special effects, properties and stage management. In addition, students may expand on previous learning in areas such as stage lighting and carpentry. Students are required to see one live theatrical production outside of the classroom and write a reflection on their experience. Students are strongly encouraged to participate in some of the opportunities in Technical Theatre for the after school productions each year.

TECH THEATRE 3

Grade Level: 10 – 12

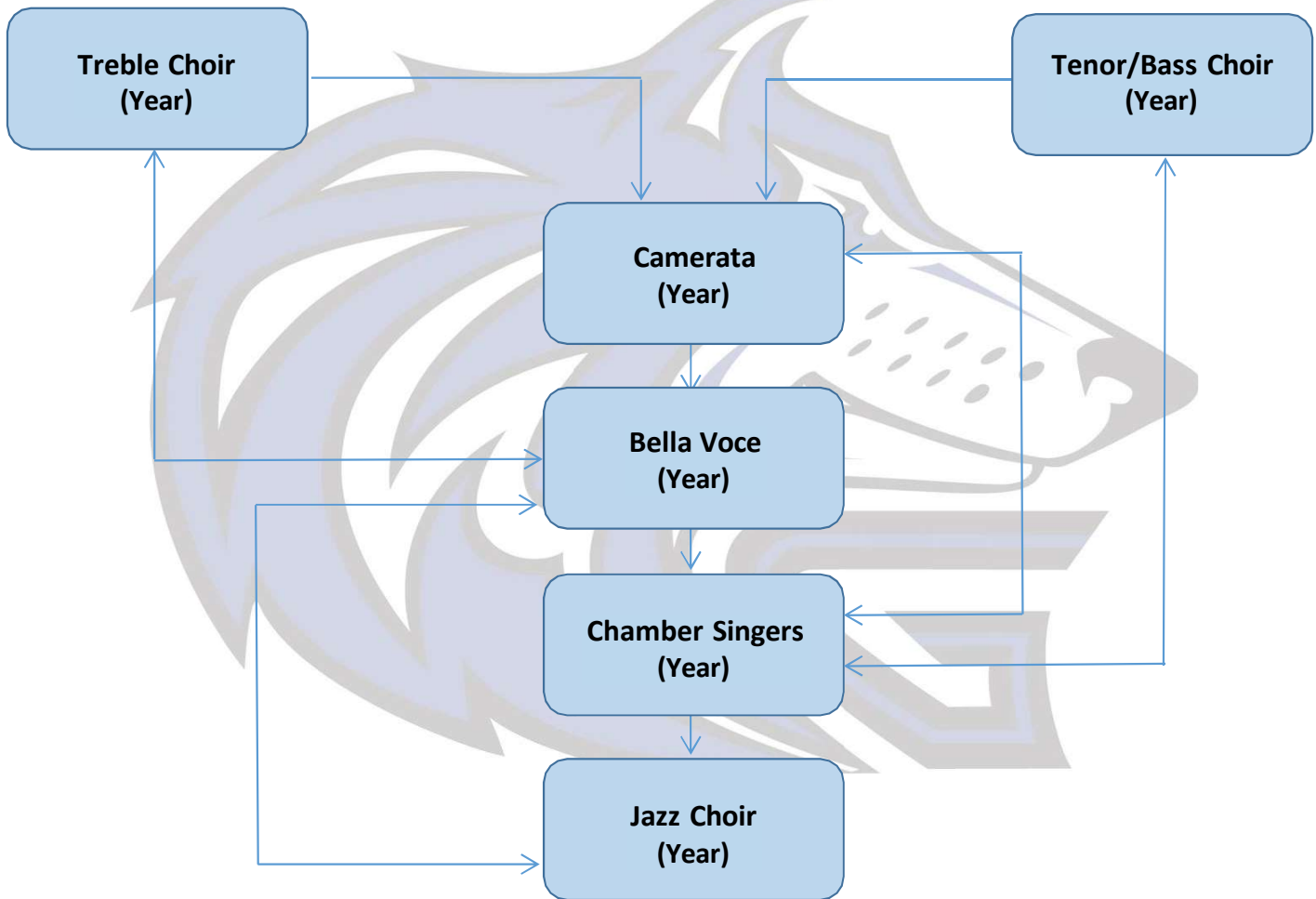
Year: 1.0 Credit

Prerequisites: Theatre 2 and instructor approval

Fee: \$25.00

Tech Theatre 3 students refine the skills they have learned in Tech 1 and 2 and work on realized theatre production projects at an advanced level. Emphasis will be on leading stage crews, designing theoretical and realized productions, organization and time management. Students will refine leadership abilities as they mount productions in the GHS theatre, run live events/concerts after school and build their resume and portfolio of work.

VOCAL MUSIC



VOCAL MUSIC COURSE DESCRIPTIONS

TENOR/BASS CHOIR

Grade Level: 9 – 12

Year: 1.0 Credit

Prerequisites: None**Fee:** \$25.00

Tenor/Bass Choir is a non-audition singing group. Students will learn essential vocal techniques, performance skills, and the fundamentals of music literacy. A wide range of choral and solo music will be used. Emphasis will also be placed on developing teamwork and experiencing the excitement of performance during five required concerts held at school during the year.

TREBLE CHOIR

Grade Level: 9 – 12

Year: 1.0 Credit

Prerequisites: None

Treble Choir is a non-audition singing group. Students will learn essential vocal techniques, performance skills, and the fundamentals of music literacy. A wide range of choral music will be used. Emphasis will also be placed on developing teamwork and experiencing the excitement of performance during five required concerts held at school during the year as well as developing singing skills.

CAMERATA**Grade Level: 10 – 12****Year: 1.0 Credit****Prerequisites: Audition by Director****Fee: \$60.00-\$100.00 for uniform**

Camerata is an intermediate-level choral experience for men and women who demonstrate high levels of vocal skill and personal responsibility as well as a scholarly attitude toward learning musicianship. Emphasis will be on developing elegance and precision in the performance of high-quality choral literature for mixed voices. Five required concerts will be held during the school year.

BELLA VOCE**Grade Level: 10 – 12****Year: 1.0 Credit****Prerequisites: Audition by Director****Fee: \$90.00-\$120.00 for uniform**

Bella Voce is an advanced-level experience for Sopranos and Altos. Emphasis is on refining the skills learned in a previous choir and learning more sophisticated ensemble techniques. Challenging choral music in multiple styles will be learned and performed. Five school concerts, as well as several performances outside of school will be required. Optional small ensemble and solo performances will be available for interested students.

CHAMBER SINGERS**Grade Level: 10 – 12****Year: 1.0 Credit****Prerequisites: Audition by Director****Fee: \$75.00-\$110.00 for uniform**

Chamber Singers is a highly select mixed ensemble for students who demonstrate high levels of vocal skill and personal responsibility, as well as a scholarly attitude toward learning. Emphasis will be on developing maturity and precision in the performance of the full range of choral literature for mixed voices and on helping students become increasingly aware of the incredible integration of human experience that is the nature of choral music. Weekly practice outside of school is required. Participation in 5 to 10 performances, in addition to regular school concerts is required. Additional optional performances will be available for interested students.

JAZZ CHOIR**Grade Level: 10 – 12****Year: 1.0 Credit****Prerequisites: Audition by Director plus involvement in 2 years of GHS choir****Fee: \$40.00-\$100.00 for uniform**

Jazz Choir is a highly select mixed ensemble for students who demonstrate high levels of vocal skill and personal responsibility, as well as a scholarly attitude toward learning musicianship. Emphasis will be on developing jazz tone and style, improvisation techniques, advanced levels of choral tuning, and intricacies of jazz performance. Weekly practice outside of school is required. Participation in 10 to 15 performances, in addition to regular school concerts is required. It is recommended that students in Jazz Choir also be in another choir in the Grandview Performing Arts Department, but it is not mandatory.

ADDITIONAL PERFORMING ARTS COURSE DESCRIPTIONS

***AP Music Theory (Year)**

History of Rock Music (Semester)

Social Dance 1 (Semester)

Social Dance 2 (Semester)

** Designates a weighted course*

*AP MUSIC THEORY

Grade Level: 10 – 12

Year: 1.0 Credit

Prerequisites: Consent of music instructor

Fee: See AP section for exam fee

The goal of AP Music Theory is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. Students will develop analytical skills, performance skills, aural skills, and compositional skills. Before taking this course, students should know their major key signatures, be able to read and write musical notation, and have basic performance skills in voice or on an instrument. Due to the advanced nature of the class, grades will be weighted.

HISTORY OF ROCK MUSIC

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: None

The History of Rock Music is more than just AC/DC; it is about the sound, people, places, and events that have rocked the world for the last 70 years. From the musical influences that first created "rock n roll" to the business of becoming a famous rock star, students will gain many insights into the music they love. Students will be responsible for individual projects and for group work.

SOCIAL DANCE 1

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: None

Social Dance is a lifetime sport and an exciting class at GHS. Students will learn partnered dances from many different cultures and traditions. Curriculum includes Swing Dance, Salsa, Merengue, Tango, Contra, and Traditional Ballroom styles. Students will work together to present multimedia research projects on a chosen area of Dance. Physical Education credit may be earned through this course.

SOCIAL DANCE 2

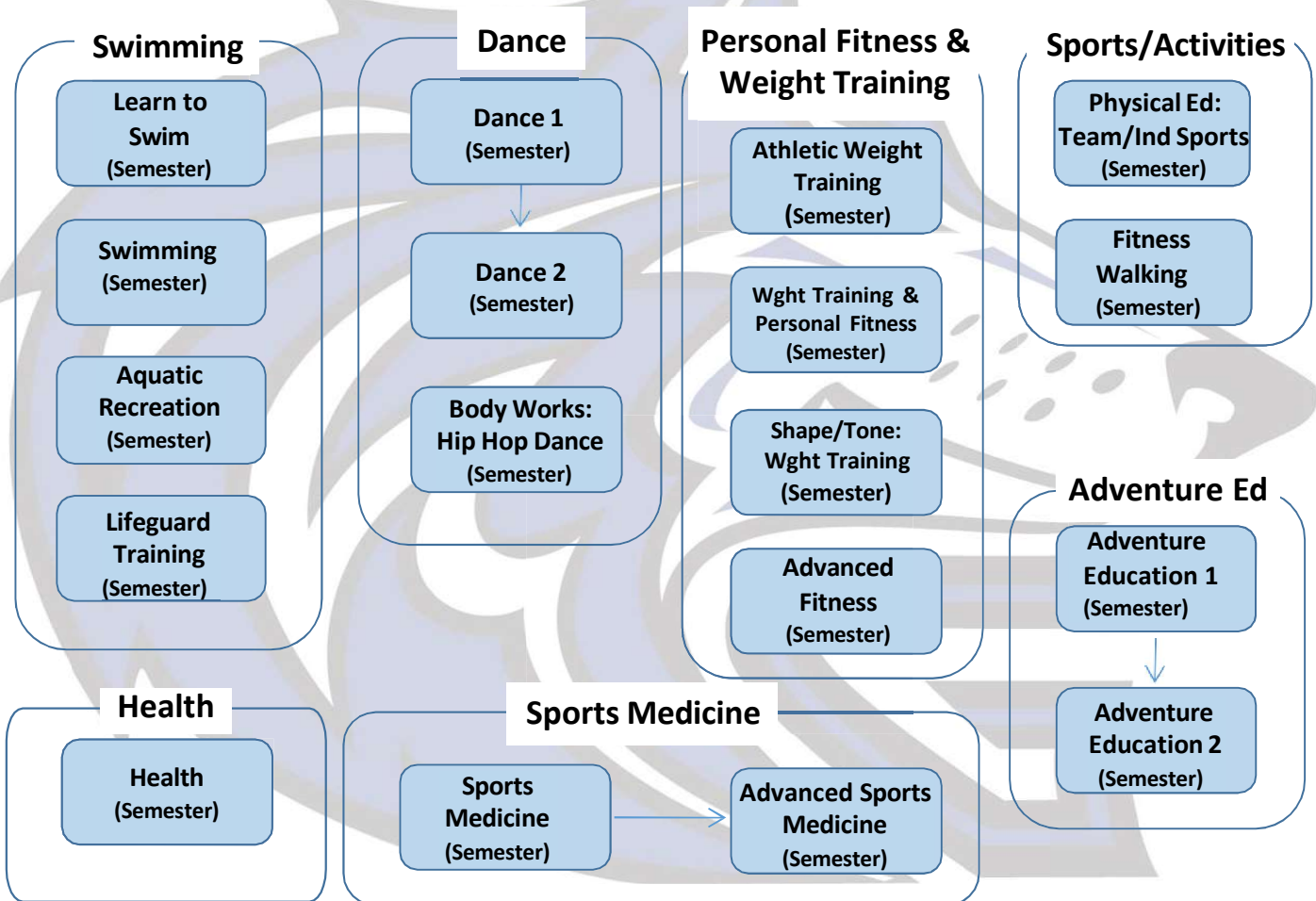
Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: Social Dance 1

This class is a continuation of Social Dance 1, including more advanced material and performance opportunities. Physical Education credit may be earned through this course. Students are required to perform in two public, evening performances.

PHYSICAL EDUCATION



Physical Education Course Descriptions

A healthy body promotes a healthy mind. At Grandview High School, we believe in preparing our students to lead a healthy lifestyle, both mentally and physically. Our physical education curriculum emphasizes fitness and how to achieve physical wellness in many ways. Students have a range of activities from which to choose. They are required to take three semesters (1 1/2 credits) of physical education and one semester (1/2 credit) of health education. They may fulfill the physical education requirement with the classes of their choice. All students are required to dress out in proper physical education attire. All classes will administer fitness assessments.

ADVANCED FITNESS

Grade Level: 10 – 12

Semester: 0.5 Credit

Prerequisites: None

Advanced fitness seeks to improve the experienced lifter through building strength (objects and body weight), flexibility, VO2 max, and balance for navigating the physical world and the objects in it. We will do this by replicating and practicing movements necessary in the real world that may include: squatting, pulling, pushing, bending, climbing, walking, running, swimming, and whatever else life may put in your path. There will be beginner, intermediate, and advanced options everyday depending upon your ability level for any given movement. This class will help prepare you for any sport or activity you may already be in and look to learn and improve!

ADVENTURE EDUCATION 1 - PE, RECREATIONAL GAMES & INDOOR ROCK CLIMBING

Grade Level: 9 – 12

Prerequisites: None

Semester: 0.5 Credit

Fee: \$20.00

This course is a general PE class that focuses on lifelong physical fitness activities. It will incorporate Individual Sports and Games, Physical Fitness Activities and Indoor Rock Climbing. The students will work on goal setting and work on developing a higher level of self- confidence. The main unit of the semester helps students learn how to safely participate in an indoor rock climbing gym. They will learn how to properly use the equipment and have fun in a climbing setting. The class fee goes to replace climbing equipment such as ropes, carabineers, belay devices, etc. *INSURANCE WAIVERS FOR THE GRANDVIEW HIGH SCHOOL ADVENTURE CLASSES ARE REQUIRED FOR THIS CLASS.*

ADVENTURE EDUCATION 2 – OUTDOOR EDUCATION

Grade Level: 10 – 12

Semester: 0.5 Credit

Prerequisites: Adventure Education 1**Fee:** \$75.00

The class gives students the chance to build upon what they have learned in Adventure Education 1. They will learn about more advanced rock climbing skills and methods, and they will participate in a whitewater safety and kayaking unit. These two activities are the main focus, but there will also be other Outdoor Activities covered. The class fee goes towards kayak rental and roll classes from Confluence Kayaks. *INSURANCE WAIVERS FOR THE GRANDVIEW HIGH SCHOOL ADVENTURE CLASSES ARE REQUIRED FOR THIS COURSE.*

AQUATIC RECREATION

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: None

Students must know how to swim to be successful in this class. This class begins with a review of fundamental swimming and diving techniques. Then the class will progress toward a wide variety of water activities including water polo, water basketball, water volleyball, aquatic fitness and other water activities. Students will learn community water activities with an emphasis on fun, safety and lifelong water fitness. Students are required to provide their own approved appropriate swimwear.

ATHLETIC WEIGHT TRAINING

Grade Level: 10 – 12

Semester: 0.5 Credit

Prerequisites: Weight Training 1 and/or coaches recommendation

This class is designed for current GHS athletes to enhance overall athleticism and athletic performance. This is an advanced course and will provide the student with an intensive workout designed to teach methods and sport-specific lifts to increase speed, power, strength, and explosion. Emphasis on Olympic lifts, plyometrics, and core stabilization exercises will be included. Flexibility, nutrition, and muscle awareness will be incorporated. Aerobic and anaerobic activities will also be incorporated.

BODY WORKS: HIP HOP DANCE

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: None

This is a hip hop dance class that focus on the foundations of Hip Hop culture. This course provides the opportunity to learn the techniques of locking, popping, house, and b-boy. Students will learn conditioning, foundation, history, composition and choreography, as well as freestyle skills. This class may be taken more than once.

DANCE 1

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: None

This course is a great way to get in shape through the art of dance. Students will explore the different styles of dance, techniques, improvisation and composition skills. This class may be taken more than once.

DANCE 2

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: Dance experience required.

The course provides the opportunity to dance and work on choreography in all styles of dance. Students will explore the different styles of dance, Level 2 dance techniques and improvisation skills. This class may be taken more than once.

FITNESS WALKING

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: None

This class is for students who are starting at a novice fitness level. This curriculum will guide students into feeling better, looking better and progressing into shape at a recommended pace designed for their level. Alternative indoor activities will be used during difficult weather months. Now is the time to take the physical challenge to get your body and your mind into great shape.

HEALTH

Grade Level: 10 – 12

Semester: 0.5 Credit

Prerequisites: None

This course focuses on the mental, physical, social, and emotional well-being of the students. Students will have the opportunity to learn about and discuss many life health issues. Some of these include stress management, nutrition and fitness, cardiovascular disease and cancer, mental and emotional disorders, human relationships, and substance abuse. In this course, students are urged to be responsible for their own lives and personal wellness. The focus of our program is to promote health in a constantly changing world through the acquisition of attitudes, skills, and understanding. We believe in and advocate abstinence from chemicals, sexual activity, and other health compromising behaviors that teens may encounter. This course fulfills the district health education graduation requirement.

LEARN TO SWIM

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: None

This class is for first time swimmers who have anxiety or discomfort in water. A foundation of basic balance and movement skills will be developed through a series of fundamental water exercises. The goal is for the student swimmer to become comfortable and controlled in both shallow and deep water. The fundamental skills learned in this course will provide a foundation for learning stroke technique, such as freestyle and breaststroke. Students are required to provide their own approved appropriate swimwear.

LIFEGUARD TRAINING

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: 15 years old by end of the course. Must be able to complete Red Cross Pre-Tests: 300 yard swim; tread water for 2 minutes with their legs; swim 20 yards to retrieve a 10lb brick then kick back to start with the brick on their chest in 1 min. and 40 sec. Fee: \$95.00

The lifeguard training course provides students with the knowledge and skills to prevent, recognize and respond to aquatic emergencies and to provide care for breathing and cardiac emergencies injuries and sudden illnesses until EMS personnel take over. The lifeguard class includes comprehensive training in-water rescues, CPR/AED for the Professional Rescuer and first-aid skills. Students will have the opportunity to demonstrate skills throughout the course in order to obtain an American Red Cross Lifeguard Certification. Students will need advanced swim fitness and comfortability with deep submersion for the lifeguard skill requirements. The fee for this class covers the textbook, lifeguard pack, pocket mask and upon completing all Red Cross skills assessments, a certification good for two years. Students must be 15 years of age by the end of this course to obtain the certification.

PHYSICAL EDUCATION: TEAM & INDIVIDUAL SPORTS

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: None

This class offers a variety of competitive and recreational activities involving team play. Students will learn skills, strategies, and rules of the activities, and at the same time, work on their interpersonal relationships in a cooperative environment. The daily routine will include a component of fitness followed by a team activity such as volleyball, basketball, flag football, soccer, team handball, ultimate frisbee, softball, floor hockey, and/or individual sports, such as tennis, badminton, pickle ball, and others at the discretion of the instructor.

SHAPE & TONE THROUGH WEIGHT TRAINING

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: None

Designed for the person who wants to learn beginning weight training and how to utilize machines and weights. You can expect to use a variety of different equipment such as weights, bands, exercise balls, and other tools to get stronger and more toned. This class will build endurance and develop coordination, balance, and confidence in a gym-like atmosphere.

SPORTS MEDICINE: CPR, AED & FIRST AID CERTIFICATION

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: Interest in emergency medicine

Fee: \$50.00

This course will help students understand the importance of prevention, care, and rehabilitation of sports injuries. Students will receive instruction to become certified in standard First Aid and CPR through the American Red Cross. Students will demonstrate the proper techniques of taping, wrapping, bandaging, and handling emergency care situations. The fee will be necessary to purchase the equipment for CPR certification skills testing.

ADVANCED SPORTS MEDICINE

Grade Level: 10 – 12

Semester: 0.5 Credit

Prerequisites: Sports Medicine and Teacher Recommendation

Fee: \$25.00

This course is for students who are interested in a career in medicine as a certified athletic trainer, paramedic, nurse, or physician. This class is an advanced class dealing with the evaluation, treatment, and rehabilitation of sports injuries. Students will learn basic anatomy and physiology and apply this toward athletic injuries. Continued practice of taping, wrapping, and bandaging as necessary for proficiency. Students must successfully complete Sports Medicine and a teacher recommendation is required. Students will become student athletic trainers for our sports teams during their semester enrollment. The fee is used to cover the cost of supplies for practice.

SWIMMING

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: None

This class is designed for the intermediate swimmer. Emphasis will be placed on stroke development, refinement, and safety while swimming. As student skills progress, they will participate in water activities, basic diving and pursue individual fitness. Students are required to provide their own swimwear and goggles for this course.

WEIGHT TRAINING & PERSONAL FITNESS

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: None

This introductory course is designed to teach various weightlifting techniques with an emphasis in form, safety and spotting. Students will be exposed to various aspects of lifting programs and techniques from shape and tone to power and strength training. Each class will also cover a cardiovascular component each day. Students will also learn about basic nutrition, anatomy and physiology.

UNIFIED PE PARTNER

Grade Level: 11 – 12

Semester: 0.5 Credit

Prerequisites: None

Unified PE Partners support ILC students in the Unified PE class throughout their PE experience. Activities include swimming, team sports, individual sports and fitness training.

SPECIAL EDUCATION SERVICES AT GRANDVIEW

Grandview's special education department is proud to provide special education services for students with defined disabilities. Grandview's special education department provides services through a variety of programs and methods. A guiding principle of special education is to provide services and accommodations students need in order to receive reasonable educational benefits while also keeping them in the general education setting as much as possible.

Qualifying for special education services is a multi-step process designed to ensure that students remain in the least restrictive environment as possible. Grandview supports students through an MTSS process. MTSS stands for multi-tiered systems of support. Before a student is to be considered for a special education evaluation, a student should receive targeted intervention while their progress is monitored to see the student's response. Some of Grandview's targeted interventions are the Student Success Center, Math Tutoring Center, and Grandview's Reading, Organization, and Writing Lab (GROWL). If a student fails to show growth from a targeted intervention, the school may request a special education evaluation.

A special education evaluation is a 60-day process in which the assessment team conducts targeted assessments in areas of concern. The purpose of the evaluation is to determine if there is a disability that prevents a student from receiving reasonable educational benefit from general education alone. The evaluation must show that a student meets the qualifications for a disability in one (or more) of the disability titles recognized by the Individuals with Disabilities Education Act. Those disabilities are

- Autism Spectrum Disorder
- Deaf-Blindness
- Developmental Delay
- Hearing Impairment including Deafness
- Intellectual Disability
- Multiple Disabilities
- Orthopedic Impairment
- Other Health Impairment
- Serious Emotional Disability
- Specific Learning Disability
- Speech or Language Impairment
- Traumatic Brain Injury
- Visual Impairment including Blindness

TIER 3

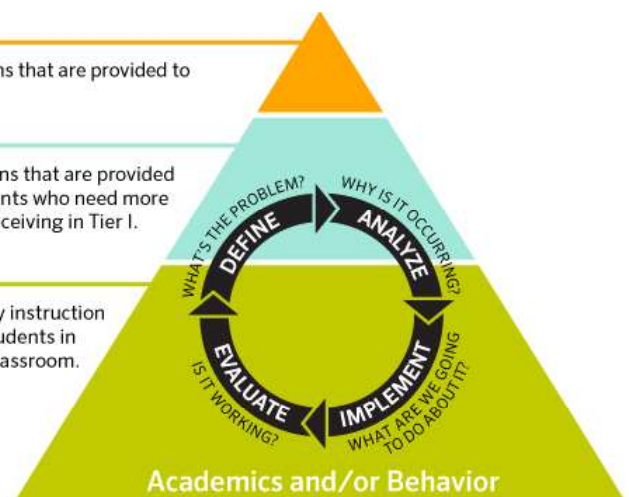
refers to the interventions that are provided to individual students.

TIER 2

refers to the interventions that are provided to small groups of students who need more support than they are receiving in Tier I.

TIER 1

refers to the high quality instruction that is provided to all students in the general education classroom.

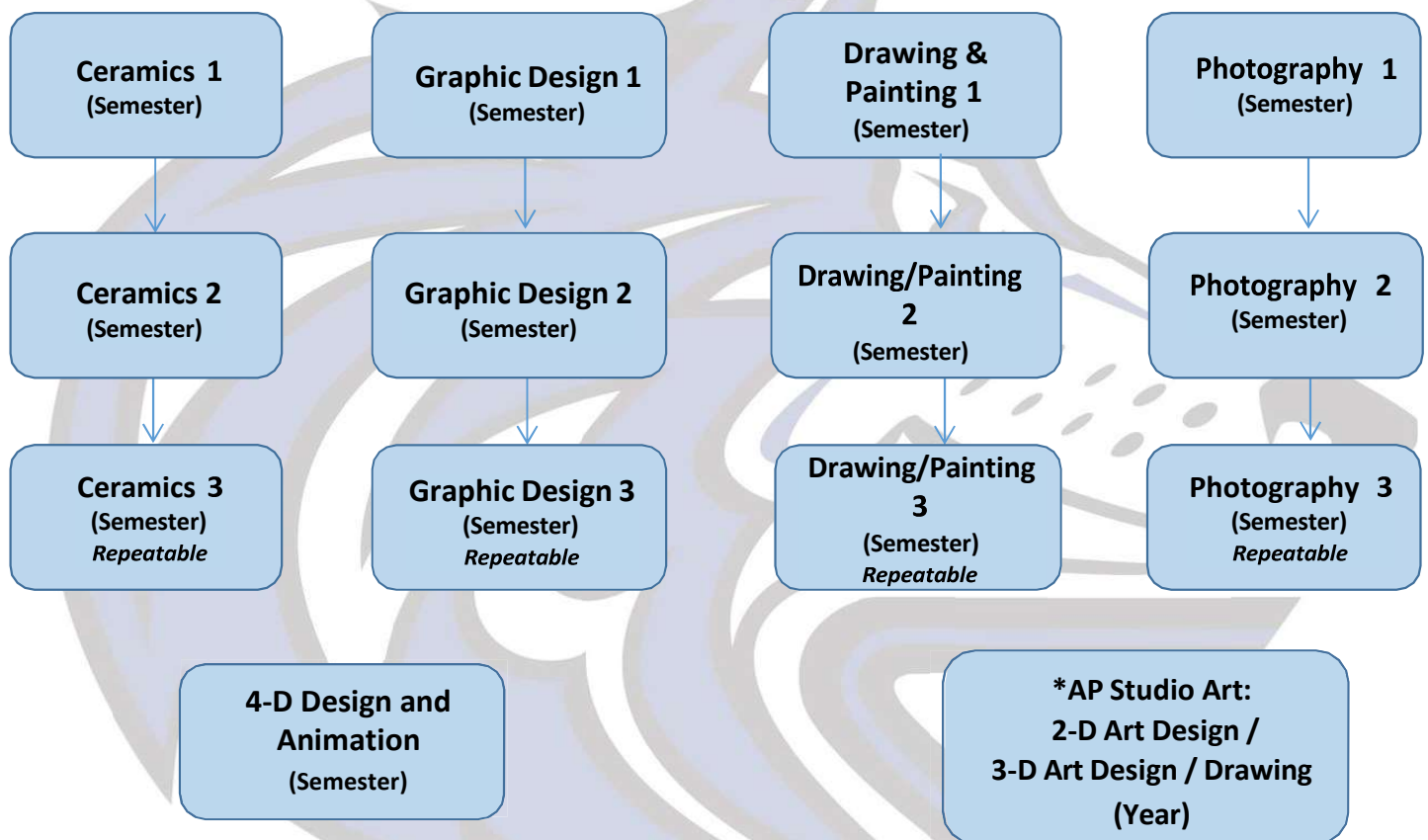


SPECIAL EDUCATION SERVICES



VISUAL ARTS

The Grandview Visual Arts Department invites all Grandview students to make the visual arts a part of their high school experience. We offer a variety of courses in traditional two dimensional, three dimensional, photographic, and digital media areas. Our courses are aimed at providing a solid foundation in technical, compositional, and expressive skills. Whether you are interested in pursuing visual art as a career, or merely as means of expanding your cultural horizons, we offer the finest instruction, facilities, and materials for your visual art experience.



** Designates a weighted course*

VISUAL ARTS COURSE DESCRIPTIONS

CERAMICS 1

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: None

Fee: \$25.00 for materials

Students taking Ceramics 1 will learn the basic skills and techniques fundamental to producing three- dimensional work. Students will apply the elements of art and principles of design. Pinch, coil, and slab construction will be introduced as well as various methods of decoration, glazing and firing. Sculptural concepts and throwing on the potter's wheel will be introduced. Students analyze and critique artwork, evaluate, and write about their work. Student maintains a digital portfolio.

CERAMICS 2

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: Ceramics 1

Fee: \$30.00 for materials

This is an intermediate level course designed as an opportunity to further develop and refine the skills and techniques practiced in Ceramics 1. Emphasis will be placed on developing projects requiring greater complexity using hand-building techniques and throwing on the potter's wheel. Project exploration will include planning, sketching and reflection. Students analyze and critique artwork, evaluate, and write about their work. Student maintains a digital portfolio.

CERAMICS 3

Grade Level: 10 – 12

Semester: 0.5 Credit

Prerequisites: Ceramics 2 and teacher recommendation

Fee: \$30.00 for materials

This course is for highly focused and advanced students wanting in-depth exploration in 3D media to develop a personal style by pursuing individual interests, as well as, developing a portfolio. Emphasis will be placed on originality, a high level of critical analysis, production, and craftsmanship. Project development will include planning, sketching, and reflection. This course includes integration of research, reflection, and writing. Student maintains a digital portfolio and creates a presentation.

GRAPHIC DESIGN 1

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: None

Fee: \$30.00 for materials

This entry level course is for training in the visual communication portion of all media businesses. Students learn about a career in the many kinds of media and graphic design and illustration jobs. Digital photography and working towards the intermediate level use of image editing and drawing programs are strongly focused upon in this class. This is helpful for any future photographer, videographer, animator or advertiser. Students will begin developing a high quality portfolio for college or design school.

GRAPHIC DESIGN 2

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: Graphic Design 1

Fee: \$35.00 for materials

Introduces the basic components of multimedia: text, graphics, animation, sound, and video. Students gain an introductory knowledge of various multimedia and design software programs. Students gain hands-on, technical, conceptual and aesthetic experience pertaining to the creation of multi-dimensional design and time-based media via an array of projects and demonstrations. Students will be introduced to career opportunities within multimedia fields.

GRAPHIC DESIGN 3

Grade Level: 10 – 12

Semester: 0.5 Credit

Prerequisites: Graphic Design 2 and teacher recommendation

Fee: \$35.00 for materials

This advanced course is designed to give students design experience within the community and build a portfolio of work. Students build upon prior skills using more advanced techniques in Adobe Illustrator, Photoshop, and InDesign. Students will learn to use digital drawing tablets and large format printers. Covers the creation and production of graphic projects, emphasizing the layout, creative design process, problem solving, and research. Provides experience producing thumbnails, roughs and digital layouts emphasizing refined creative typography. Design portfolios are expanded upon and improved in this third year of Graphic Design and Illustration. There is study of college art and media programs. Large format printing, and use of printers and plotters is common in this class. Students may select an area of visual communication to begin specializing in during this year of study. Students will have the opportunity to earn an industry recognized certification at this level.

DRAWING AND PAINTING 1

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: None

Fee: \$25.00 for materials

This foundational course focuses on creative thinking and successful design solutions while practicing foundational fine art techniques. Students identify and apply the elements of art and principles of design. This class introduces and explores a variety of two-dimensional media used in the visual arts and teaches skillful application of media. Students are also introduced to the variety of programs and occupations in the arts, audio/video technology, and communications systems. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities.

DRAWING AND PAINTING 2

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: Drawing and Painting 1

Fee: \$30.00 for materials

This course is an advanced exploration of art techniques and materials using two-dimensional concepts. Students will solve more complex visual problems. Students will begin to develop a personal style and build a portfolio of work. Students will also continue to analyze and critique artwork, make judgments, and write about their findings while observing art throughout history.

DRAWING AND PAINTING 3

Grade Level: 10 – 12

Semester: 0.5 Credit

Prerequisites: Drawing and Painting 2 and teacher recommendation

Fee: \$40.00 for materials

This course is for serious advanced students needing studio time in which to refine style and media use. The emphasis is on the development of the student's individual portfolio and a more advanced approach to art-making. Course work requires research and planning. Students will analyze and critique artwork, make judgments, and write about their findings in their own work and other artist's work. This course may be repeated for credit.

4-D DESIGN AND ANIMATION

Grade Level: 10 – 12

Semester: 0.5 Credit

Prerequisites: Any GHS Visual Arts or Engineering and Technology class (Drawing and Painting 1, Animation, Graphic Design 1, Photography 1, or Ceramics 1, Engineering and Technology 1 or 2, and CAD.)

Fee: \$30.00 for materials

Explores the artistic possibilities of time and movement in art and design. These include analog and digital art forms ranging from performance art through animation and video. Emphasis is placed on creative problem solving skills and the application of elements and principles of design in time-based media.

PHOTOGRAPHY 1

Grade Level: 9 – 12

Semester: 0.5 Credit

Prerequisites: None

Fee: \$50.00 for materials

Students will develop skills necessary that will lay the foundation for camera operations of both 35mm SLR film and digital cameras, while using cell phone technology to make images. Additionally, photography in the context of historical Darkroom processes will be introduced (Pinhole cameras) This photography course focuses on studio-based photography. Students will learn basic DSLR camera operations, framing and the art of styling and lighting for professional photo shoots. Projects will include various print advertisements and studio work. Students will learn about careers related to commercial photography and the postsecondary programs and requirements within Colorado. Some examples of jobs in this area are photographer, graphic designer and stylist. Students will complete a number of projects and design pieces to be added to personal portfolios.

PHOTOGRAPHY 2

Grade Level: 10 – 12

Semester: 0.5 Credit

Prerequisites: Photography 1

Fee: \$50.00 for materials

Students will develop skills necessary for basic camera operations of a 35mm Film SLR camera, laying the foundation for the use of an SLR digital camera in more advanced levels in photo. Students will learn how to expose film using advanced SLR Film Camera technology and develop both film and prints in a traditional darkroom. Students will learn basic DSLR camera operations, framing and the art of styling and lighting for professional photo shoots. Projects will include various print advertisements and studio work. Students will learn about careers related to commercial photography and the postsecondary programs and requirements within Colorado. Some examples of jobs in this area are photographer, graphic designer and stylist. Students will complete a number of projects and design pieces to be added to personal portfolios.

PHOTOGRAPHY 3

Grade Level: 10 – 12

Semester: 0.5 Credit

Prerequisites: Photography 1 and Photography 2 and teacher recommendation

Fee: \$40.00 for materials

This course provides the advanced skills necessary for SLR digital camera photography, including the use of creative Photoshop editing skills at an advanced level. Students develop a body of work that is related to their personal vision. Course emphasizes the needs of commercial photographers with regard to technical expertise, creativity, and professional equipment. Technical aspects include film to digital transfer, lighting, digital image manipulation, alternative processes, large format camera work and stock photography. Creative exploration of subject matter, lighting, color theory and other psychological characteristics in the development of images are studied. A variety of photographic equipment is utilized for the studio and on location. Students are expected to create a portfolio of work for both print and electronic formats.

***AP STUDIO ART 2-D DESIGN, *AP STUDIO ART 3-D DESIGN, *AP STUDIO DRAWING**

Grade Level: 11 – 12

Prerequisites: Any level 2 Art with Teacher Recommendation or any level 3 Art

Year: 1.0 Credit

Fee: \$80.00 for materials; See AP section for exam information

This course provides students the opportunity to hone a specific idea/concept/set of skills that build a body of work. This course allows for advanced work in the Design & Multimedia Arts Program of Study. This advanced work can be individualized to the specific program of study to allow for specialized study for the student. It may include project based learning or preparation for the end of program industry certification. Specific content and course design will be determined by the instructor in collaboration with the individual student.

SPECIAL COURSES

The following courses are offered at Grandview High School for **ELECTIVE** credit only. They help to fulfill the 5.5 elective credit required for graduation in the Cherry Creek School District. All AVID classes and Student Leadership require an application and interview.

ADVISORY (Year)

ADVISORY

Prerequisites: None

Grade Level: 9 – 12

Year: 0.25 credit

Advisory is an opportunity to create space and time within the school environment to allow students and staff to build caring, stable, trusting relationships that support the social-emotional and academic growth of students.

**FRESHMAN
SEMINAR
(Year)**

**SOPHOMORE
SEMINAR
(Year)**

**JUNIOR
SEMINAR
(Year)**

**SENIOR
SEMINAR
(Year)**

GRADE LEVEL SEMINAR

Prerequisites: None

Grade Level: 9 – 12

Year: 0.125 credit

Grade level seminars are provided by a student's counselor. While students are enrolled in this course all year, there are no regularly scheduled meetings. Students complete MyCAP (My Career and Academic Plan) tasks on the Naviance website throughout their four years in high school.

**AVID 9
(Year)**

**AVID 10
(Year)**

**AVID 11
(Year)**

**AVID 12
(Year)**

AVID (ADVANCEMENT VIA INDIVIDUAL DETERMINATION)

Prerequisites: By application and interview only. AVID is a four-year program.

Grade Level: 9 – 12

Year: 1.0 credit

Advancement Via Individual Determination (AVID) is an elective class designed to support students in their future academic pursuits. This program is provided for students who are dedicated to pursuing an advanced degree and desire extra support to acquire the skills necessary. This four-year program focuses on organizational skills, study skills, test taking skills, inquiry learning, reading, writing, mathematics, speaking skills, and standardized test preparation. Tutors work in the classroom with students on a weekly basis.

**PEER
TUTORING
(Semester)**

PEER TUTORING

Grade Level: 10 – 12

Semester: 0.5 Credit

Prerequisites: Successful completion of Geometry or higher

Peer Tutors should have a desire to help younger students with academic tutoring and organizational skills. They will begin with training at the beginning of each semester to develop and enhance their communication, problem solving and tutoring skills. Peer Tutors must make a semester commitment to the Peer Tutoring Program for the class period that they are assigned.

**STUDENT
ASSISTANT
(Semester)**

STUDENT ASSISTANT

Grade Level: 9 – 12

Semester: 0.25 credit

Prerequisites: Teacher approved

Students wishing to work as an assistant in a school office may do so in addition to their normal load of courses. Permission and approval as an office assistant begins in the Counseling Office where interested students can pick up an “Assist Permission Slip” which must be filled out by someone in the sponsoring office and then returned to the Counseling Office. The following school offices need and will use Office Assists: Activities, Athletics, Attendance, Counseling, Deans' and the Media Center.

**STUDENT
LEADERSHIP
(Year)**

STUDENT LEADERSHIP

Grade Level: 9 – 12

Year: 1.0 credit

Prerequisites: Application, interview, and acceptance to program

Student Leadership is a great opportunity for Grandview students of all grade levels to represent their student body within the school and community. Students in this class serve as Grandview's student body officers and class representatives, with officer elections held the spring of the preceding school year. Students will experience numerous opportunities for leadership training throughout the school year and summer months, including a district conference and class retreats. Students will learn about leadership styles and skills and use leadership techniques in order to successfully plan and carry out a wide range of events and activities, including school-wide activities such as Homecoming, Prom, Miracle Week, and community service projects.



CHERRY CREEK
INNOVATION CAMPUS



CHERRY CREEK INNOVATION CAMPUS

2024-2025 Course Catalog

www.cherrycreekschools.org/CCIC



APPLY TO CCIC



Scan Me

CCIC WEBSITE



SCAN ME

CCIC VIDEO



SCAN ME

CCIC PROGRAMS EXPLAINED



Career & Technical Education (CTE) is a national program with courses teaching core academics, technical, and job-specific skills. CTE classes and programs like internships and apprenticeships, are designed to provide students with tools necessary to succeed in post-secondary education and career. All high schools in the Cherry Creek School District offer CTE courses. ([CTE Website](#))



Cherry Creek Innovation Campus (CCIC) is a stand-alone CTE facility which opened in August, 2019. Courses at the CCIC align with the industry standards for seven in-demand and growing career pathways. Many courses offer core academic credit in English, Math, or Science and/or college credit. Transportation to and from CCIC is provided at all home high schools.



Concurrent Enrollment / Dual Enrollment (CE/DE) is an opportunity for students to earn high school and college credit simultaneously. Many courses in the Cherry Creek School District (CCSD) offer concurrent/dual enrollment credit through local colleges. Concurrent Enrollment courses are tuition-free through a local community college. Dual Enrollment courses have a minimal per-credit fee (\$50 per credit) through a local university. College credit can only be earned with a grade of 'C' or higher.



Industry Certifications are available in many CTE programs. An industry certification is recognized by industry at the local, state and national level. These certifications measure competency in an occupation, and they validate the knowledge base and skills that show mastery in a particular industry. Some certifications will be accepted for a student's demonstration of learning according to Graduation Guidelines. See your counselor for more information.



Career & Technical Student Organizations (CTSOs) are key components to strong CTE programs. These student run organizations develop business and industry-specific skills, procedures, and values that align with coursework, activities, and events in the classroom and greater community. Students also have the opportunity to demonstrate these acquired skills at regional, state and national competitions.



Work-Based Learning is a continuum of activities that occur, in part or in whole, in the workplace, providing the learner with hands-on, real world experience and is an integral part of a student's experience at CCIC. CCIC offers work-based learning at all levels: Learning About Work, Learning Through Work and Learning at Work. ([WBL Continuum Chart](#))



The [CTE](#) Internship and Apprenticeship programs connect students with career pathways of interest by partnering with businesses in the community. CTE partners with CCIC to identify Internship and Apprenticeship opportunities in all CCIC Pathways.



Scan to [watch a video](#) about Apprenticeships

CCIC REGISTRATION PROCESS

To register for CCIC courses:

Step 1: MyCAP Planning

Use your MyCAP to help select a CTE pathway that fits your career and academic goals. Based on your career goals, you may choose to apply for a CTE course that is offered at the Cherry Creek Innovation Campus (CCIC), or through the District CTE program.

Step 2: Course Selection

Use the information in the course catalog to help plan your course selection. Make sure you meet the grade-level requirements and any prerequisites required.

Step 3: Counselor Input

After you've selected a CCIC or District CTE course that fits your MyCAP, consult your counselor to ensure the courses will fit with your home high school schedule and will allow you to complete all courses necessary for graduation.

Step 4: Application

The [online application](#) opens on **January 22, 2024**. A link to the online application can be found on the CCIC website and in registration links on home high school websites. **Applications must be submitted by Friday, March 8, 2024.** In addition to the application, some courses may require a supplemental application and/or attendance at an informational meeting.

Accommodations: *The Cherry Creek Innovation Campus provides accommodations and modifications identified in a student's IEP/504. Additional accommodations requested must be deemed as "reasonable accommodations." Students can self-advocate for reasonable accommodations with Alex Sabin, the CCIC 504 Coordinator, through email (asabin@cherrycreekschools.org) or phone (720-554-2604).*

Step 5: Confirmation

After submitting an application, you will receive a confirmation email, as well as information regarding additional application requirements. Please note that all application requirements must be completed to be considered for acceptance. Notification of acceptance into a CCIC course will occur by email in mid/late April. Students will also be notified by email in mid/late April if they are on a wait list for requested courses or if alternative class options are available.

APPLICATION DUE: FRIDAY, MARCH 8, 2024

Transportation provided to and from each home high school.
Financial assistance available to students who qualify.

CCIC CORE CLASSES

CCIC core content is integrated within our pathway curriculum and meets district core standards requirements for graduation. All CCIC core classes are NCAA approved.

EngA

CP Innovator's English A (Effective Communication, Writing, and Career Success) - In this integrative English course, students demonstrate career & college readiness, developing leadership skills, research, & writing skills that will enable them to be successful in their pathway of purpose. Students in this course also participate in many collaborative settings where they will use rhetorical strategies to reach a decision with others who have diverse ideas. To be successful, students must contribute to conversations in professional manners. Students conduct research relating to issues in their industry, problem solving those issues to invite diversity into their writing and conversations. Students write in APA format, citing sources and developing their informational literacy skills. This course can be repeated for credit.

EngB

CP Innovator's English B (Research and Writing) - In this course, students will use argumentation, research processes, and reflection to continue to develop and experiment with their writing. It will also use an active learning approach in writing, reading, and communication processes to integrate topics into potential careers. Students will complete a college and career research project according to the APA style guide that enables them to confidently transition to post-secondary realms. This course involves continued emphasis on the writing process, critical thinking, the rhetorical nature of language, and furthers their research skills. This course can be repeated for credit.

Tech

EngC

CE Technical Writing / CP Innovator's English C - This integrated English course teaches the fundamentals of writing and pathway or industry-specific technical documents with structure, organization, diction, style, revision, editing and mechanics. Students will write for specific industry-related purposes including, but not limited to professional emails, training manuals, business proposals, blog creation and response, professional interviewing, podcast creation, and social media content writing. Finally, students will conduct research as necessary for the pathway and industry curriculum, gathering relevant information from multiple print sources related to the task. By the end of the course, students will be able to read, analyze, summarize, and apply technical information and plain language as appropriate for career preparation. This course may offer CE Credit (ENG 1031) and may be repeated for credit.

MthA

CP Innovator's Math Topics A - This course will extend students' proficiency in fundamental arithmetic topics to in-depth analysis of plane, solid, and coordinate geometry as they relate to both abstract mathematical concepts as well as real-world problem situations. This course can be repeated for credit.

MthB

CP Innovator's Math Topics B - This course will extend students' proficiency in fundamental arithmetic topics to more advanced algebraic topics, including the application of trigonometric functions, standard deviation, matrix and vector analysis, logarithmic and exponential relationships, and linear systems. This course can be repeated for credit.

MthC

CP Innovator's Math Topics C - This course will extend students' proficiency in the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, and the analysis of potential solutions. This course can be repeated for credit.

MthD

CP Innovator's Math Topics D - Innovator's Math D will expand on students' proficiency in number theory and discrete mathematics topics as it applies to technology. Topics may include number systems, basic combinatorics, modular arithmetic, and prime numbers. This course can be repeated for credit.

A&P

CE Basic Anatomy & Physiology - This course provides a deeper exploration of the human body and biological systems in great detail. Students expand their knowledge of the body and terminology/phonetic pronunciations used to describe and locate body parts as well as an overall review of human development and body processes. This course focuses on basic knowledge of body structures and function and provides a foundation for understanding deviations from normal and disease conditions. This course may offer CE Credit (BIO 1006) and may be repeated for credit.

LifSci

CP Innovator's Life Science - Students will use a full range of science and engineering practices to make sense of natural phenomena and solve problems that require an understanding of how individual organisms are configured and how these structures function to support life, growth, behavior, and reproduction. This course can be repeated for credit.

PhySci

CP Innovator's Physical Science - Students can use the full range of science and engineering practices to make sense of natural phenomena and solve problems that require understanding structure, properties and interactions of matter. This course can be repeated for credit.



AEROSPACE MANUFACTURING



Scan to [watch a video](#)
about the Aerospace
Manufacturing Pathway



YEAR 1
Manufacturing Fundamentals I
10th - 12th Grade
Semester
An overview of essential principles of manufacturing processes.
CNC Machining I
10th - 12th Grade
Semester
Use of SOLIDWORKS software to create 3D products from virtual models.

YEAR 2/3
Manufacturing Fundamentals II
11th - 12th Grade
Year Long
An in-depth experience utilizing the principles of manufacturing processes.
CNC Machining II
11th - 12th Grade
Year Long
Use of SOLIDWORKS CAM in conjunction with CNC machines.

MANUFACTURING FUNDAMENTALS I

GRADES: 10-12

LENGTH: 1 SEMESTER

CREDITS: .5 CTE/ .5 MTH B

EST. FEES: \$150

Suggested Prerequisite: CAD (Computer Aided Design)

Concurrent Enrollment: Machine Shop Safety (MAC 1000, 1 credit)

Certifications: Certified SOLIDWORKS Associate – Additive Manufacturing (CSWA-AM)

Course Description: This course is designed to provide students with the skills and knowledge to be effective in production environments as a machinist, CNC operator, or supervisor. Upon completion of this course, proficient students will demonstrate safety practices concerning machining technology, proper measurement and layout techniques, reading and interpreting drawings and blueprints, production design processes, and quality control procedures. Students will complete projects using various manufacturing techniques and build intermediate skills involving manufacturing techniques. Upon completion of this course, students will be knowledgeable about potential postsecondary education and career opportunities related to machining technology and will be prepared to enroll in more advanced machining courses in high school. Students will create real world projects using CNC Plasma Cutters, Water Jet Cutters, Routers, Injection Molders, Additive Manufacturing (3D Printing) and Vacuum Formers.





AEROSPACE MANUFACTURING



CNC MACHINING I

GRADES: 10-12	LENGTH: 1 SEMESTER	CREDITS: .5 CTE/ .5 MTH B	EST. FEES: \$150
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Suggested Prerequisite: CAD (Computer Aided Design)

Concurrent Enrollment: Machine Shop Safety (MAC 1000, 1 credit), Print Reading for Machinists (MAC 1002, 3 credits)

Certifications: Haas Basic Mill Operator

Course Description: This course covers fundamentals of computer numerical control (CNC), basic programming, machine setup and operation of CNC machines. The course begins with manual programming practices so that the student will understand the programming code and its structure. Geometric Dimensioning & Tolerancing codes; G & M codes, control functions, the letter address system, and math issues related to CNC are included. Standard safety conventions will be introduced for safe programming practice. This course allows for the further development of CNC skills with hands-on instruction related to the CNC milling machines, and CNC turning centers. The lab work includes operation of CNC machines to demonstrate the programming skills.



MANUFACTURING FUNDAMENTALS II

GRADES: 11-12	LENGTH: 1 YEAR	CREDITS: 1.0 CTE/ 1.0 MTH B	EST. FEES: \$150
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Prerequisites: Manufacturing Fundamentals I and CNC Machining I

Concurrent Enrollment: CAD/CAM 2D (MAC 2040, 3 credits)

Certifications: Stratasys Additive Manufacturing Certification and Certified SOLIDWORKS Associate – Additive Manufacturing (CSWA-AM)

Course Description: This course is designed to provide students with the skills and knowledge to be effective in production and engineering environments as a machinist, technician, CNC operator or supervisor. Upon completion of this course, proficient students will demonstrate safety practices concerning machining technology, proper measurement and layout techniques, reading and interpreting drawings and blueprints, production design processes, and quality control procedures. Students will complete projects using various manufacturing techniques and build intermediate skills involving manufacturing techniques. Upon completion of this course, students will be knowledgeable about potential postsecondary education and career opportunities related to machining technology and will be prepared to enroll in more advanced machining courses in high school. Students will create real world projects using CNC Plasma Cutters, Water Jet Cutters, Routers, Injection Molders, Additive Manufacturing (3D Printing) and Vacuum Formers.



CNC MACHINING II

GRADES: 11-12	LENGTH: 1 YEAR	CREDITS: 1.0 CTE/ 1.0 MTH B	EST. FEES: \$150
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Prerequisites: Manufacturing Fundamentals I and CNC Machining I

Concurrent Enrollment: CAD/CAM 2D (MAC 2040, 3 credits), Introduction to CNC Milling Operations (MAC 2005, 3 credits)

Dual Enrollment: CNC Machining & Inspection (MET 2010, 3 credits)

Certifications: National Institute of Metalworking Skills (NIMS)

Course Description: This course prepares students to enter the manufacturing/production industry, specifically covering CAD/CAM systems, geometric modeling, process planning, tool path generation. Course content includes programming and production of complex parts. Projects focus on solid modeling for design and manufacturing applications as well as the use of commercial CAD/CAM software for automating the production cycle. Special content addresses CNC mill and lathe setups and operations not covered in the basic CNC Machining. NIMS certification preparation and testing are included in course content.





BUSINESS SERVICES



Project Management for Entrepreneurs I

10th-12th Grade

Discover the basics of project management while getting a start-up business off the ground.

Project Management for Entrepreneurs II

10th-12th Grade

Discover how social media and other marketing strategies can help grow your business.

Project Management for Entrepreneurs III

11th-12th Grade

Continue enhancing your business while using customer relationship management tactics.

CTE Capstone Business

11th-12th Grade

Be the project manager and entrepreneur for a student team tackling real world problems and issues.

PROJECT MANAGEMENT FOR ENTREPRENEURS I

GRADES: 10-12

LENGTH: 1 SEMESTER

CREDITS: .5 CTE/ .5 ENG A

EST. FEES: \$80

Suggested Prerequisite: Introductory Business and/or Marketing Course



EngA

Concurrent Enrollment: Introduction to Entrepreneurship (ENP 1005, 3 credits), Project Management in Organizations (MAN 2041, 3 credits)

Course Description: Project Management for Entrepreneurs I explores the business skills, personality traits, and commitment necessary to successfully plan, launch, and grow an entrepreneurial venture while also investigating the concepts and applicability of project management within organizations. This course will cover the challenges and rewards of entrepreneurship and the role of entrepreneurial businesses in the United States and the world as well as their impact on our national and global economy. Students will examine the unique nature of the project management structure, including its emphasis on integrated decision making throughout the lifecycle of a product from the planning, implementing, monitoring, and controlling phases. Emphasis is on the processes of initiating, planning, executing, controlling, and closing activities of project management.

PROJECT MANAGEMENT FOR ENTREPRENEURS II

GRADES: 10-12

LENGTH: 1 SEMESTER

CREDITS: .5 CTE/ .5 ENG B

EST. FEES: \$50

Prerequisites: Successful Completion of Project Management for Entrepreneurs I



EngB

Concurrent Enrollment: Marketing Your Image (MAR 1006, 3 credits), Marketing for Entrepreneur (ENP 2005, 3 credits)

Certifications: Student Social Media Marketing Certification

Course Description: Project Management is a rapidly growing profession. Project Management for Entrepreneurs II presents a series of marketing challenges to teams of student project managers with the winners announced at the end of the semester. This course continues to prepare students in understanding how project management skills can assist in promoting an entrepreneurial venture. Students gain insights essential for using digital media to market their ideas, using innovative and financially responsible marketing strategies that are both traditional and non-traditional in nature.



BUSINESS SERVICES



PROJECT MANAGEMENT FOR ENTREPRENEURS III

GRADES: 11-12

LENGTH: 1 SEMESTER

CREDITS: .5 CTE/ .5 ENG C

EST. FEES: \$100

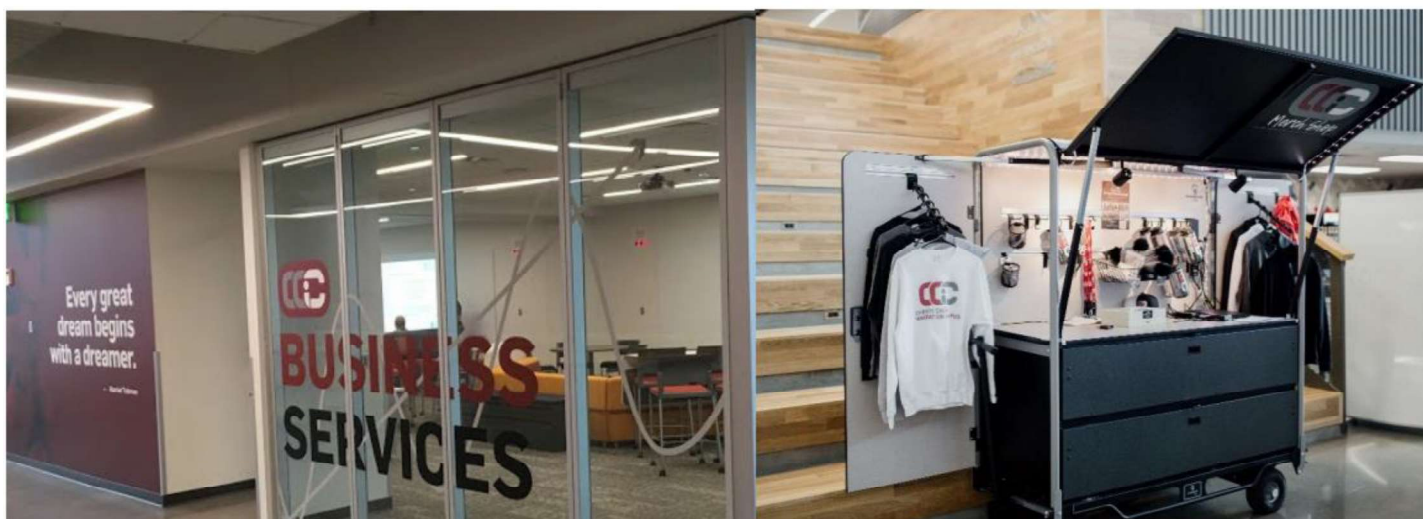
Prerequisites: Project Management for Entrepreneurs I & II



Concurrent Enrollment: Customer Service (MAR 1060, 3 credits), Project Management in Action (MAN 2043, 3 credits)

Certifications: PMI Project Management Ready Certification

Course Description: Project Management for Entrepreneurs III explores concepts in Project Management and Customer Service. This course introduces major activities and tools in Project Management related to resources, risk, and quality. There is a heavy focus to provide how to manage the human element of project management. Specific project management tools and methodologies are introduced and used. Students will also learn the relationship of self to customers, problem solve and understand the importance of communicating with customers. Specific emphasis is given to managing customer expectations by building customer rapport and creating positive outcomes.



CTE CAPSTONE BUSINESS

GRADES: 11-12

LENGTH: 1 SEMESTER

CREDITS: .5 CTE/ .5 TECH WRITING

EST. FEES: \$80

Prerequisites: Project Management for Entrepreneurs I, Project Management for Entrepreneurs II, Project Management for Entrepreneurs III



Concurrent Enrollment: Leadership (MAN 2024, 3 credits), Technical Writing I (ENG 1031, 3 credits)

Certifications: PMI Project Management Ready, Certified Associate Project Management (CAPM)

Course Description: While working in teams, students focus on the leadership skills for contemporary organizations. Covers development and communication of a shared vision to motivate and empower employees to manage conflict, to negotiate, and to develop teams.



HEALTH & WELLNESS



Advanced Studies in Health Care

10th-12th Grade

Exploration of healthcare careers and content related to basic anatomy & physiology.

Suggested prerequisite for courses in the Health & Wellness pathway

Certified Nurse Aide

11th-12th Grade

Students prepare to perform patient care in a nurse aide role.

Behavioral Health Technician

11th-12th Grade

Students explore and apply basic principles of behavioral and mental health.

Introduction to OT & PT

11th-12th Grade

Course prepares students for patient care as a physical and occupational therapy aide.

Pharmacy Technician

12th Grade

Students learn the role and function of pharmacy technicians.



ADVANCED STUDIES IN HEALTH CARE (formerly Introduction to Health Care)

GRADES: 10-12

LENGTH: 1 SEMESTER

CREDITS: .5 CTE/ .5 LIFE SCI

EST. FEES: \$50

Concurrent Enrollment: Comprehensive Medical Terminology (HPR 1040, 3 credits)

Certification: Basic Life Support (BLS) CPR through American Heart Association

Course Description: Develop a broad understanding of the many career opportunities within the healthcare field by studying the human body systems and their respective medical terminology. Through a combination of lectures, interactive activities, case studies, and practical exercises, this course aims to equip students with the necessary knowledge and skills to communicate effectively in a healthcare environment and to foster an understanding of the diverse opportunities available in the healthcare industry. Students will gain an in-depth understanding of the language of medicine, including the pronunciation, analysis, and interpretation of medical terms (common prefixes, roots, and suffixes), abbreviations, and acronyms commonly used in healthcare settings.



CERTIFIED NURSE AIDE (CNA)

GRADES: 11-12

LENGTH: 1 SEMESTER

CREDITS: .5 CTE/ .5 LIFE SCI

EST. FEES: \$175

Prerequisite: Basic Life Support (BLS) CPR through American Heart Association

Certification: Colorado State Nurse Aide Certification NNAAP® Exam (Written and Skills)

Course Description: The Nursing Aide course prepares students for the Colorado State Nurse Aide Certification NNAAP® Exam while providing students a foundation in Nurse Aide theory and skills. Students will learn the scope of practice and multiple proficiencies of working in an interdisciplinary team to provide holistic care to patients and residents. Students will participate in a minimum of 16 hours of hands-on care to residents during supervised clinical learning experiences at a local Long-Term Care facility. Content includes: introduction to the nursing aide role, communication skills, exploration of healthcare settings, ethical and legal issues, cultural sensitivity, patient/resident rights, infection control, safety and body mechanics, measures and records vital signs, admission, transfer, and discharge, bed making and caring for patients' environment, personal care, nutrition and fluid balance, toileting, restorative care, and end-of-life care.

Note: Participation in CNA Clinicals requires students to provide documentation of active BLS CPR certification; cleared background check, drug screen, and TB screening; Up-to-date immunization records with Chickenpox/Varivax, Tetanus, MMR, Hepatitis B vaccinations. Optional but recommended vaccinations include seasonal influenza and COVID-19.





HEALTH & WELLNESS



BEHAVIORAL HEALTH TECHNICIAN

GRADES: 11-12

LENGTH: 1 YEAR

LENGTH: 1.0 CTE / 1.0 ENGLISH A

EST. FEES: \$96

Suggested Prerequisite: Advanced Studies in Health Care

Concurrent Enrollment: Intro to Behavioral Health Care & Wellness (PTE 1010, 3 credits),
Application of Behavioral Health Care & Wellness (PTE 1020, 5 credits)



Certifications: Registered Behavior Technician Certification, Basic Life Support (BLS) CPR through American Heart Association

Course Description: This course explores the basic principles of behavioral health in a behavioral health care setting. This course develops interpersonal and technical skills while working with clients in psychiatric care settings. Students obtain skills used daily by Behavioral Health Technicians (BHT's) such as therapeutic communication and relationship building and conducting psychoeducational therapy groups. Students will also explore aspects of mental health and factors that influence human development and behavior.

INTRODUCTION TO OCCUPATIONAL & PHYSICAL THERAPY

GRADES: 11-12

LENGTH: 1 YEAR

CREDITS: 1.0 CTE/ 1.0 A&P

EST. FEES: \$150

Suggested Prerequisite: Advanced Studies in Health Care

Concurrent Enrollment: Intro to Occupational Therapy (OTA 1000, 3 credits), Intro to Medical Terminology (HPR 1038, 1 credit), Basic Anatomy & Physiology (BIO 1006, 4 credits)



Certification: Basic Life Support (BLS) CPR through American Heart Association

Course Description: This course combines foundations of Occupational Therapy (OT) and Physical Therapy (PT). Students will explore profession definitions, roles and responsibilities, history, scope of practice, philosophical basis, relationships with other healthcare professionals, ethical and legal implications, industry settings, and more. Students will compare and contrast OT and PT throughout the year while learning and exploring health and wellness, diseases/conditions, and injuries. A moderate amount of human anatomy and medical terminology is included. Clinical skills include ambulation, range of motion (ROM), manual muscle testing, adaptive dressing techniques, functional transfers, physical agent modalities, clinical communication, etc.

PHARMACY TECHNICIAN

GRADES: 12

LENGTH: 1 YEAR

CREDITS: 1.0 CTE/ 1.0 LIFE SCI

EST. FEES: \$164

Prerequisite: Algebra I

Suggested Prerequisite: Advanced Studies in Health Care

Certifications: Certified Pharmacy Technician (CPhT), Basic Life Support (BLS) CPR through American Heart Association

Course Description: This course combines foundations of pharmacology, pharmaceutical care and knowledge with hands-on applications. Students will explore real-world application of a pharmacy technician working with a licensed pharmacist in a variety of clinical and retail settings. We explore pharmacy history and laws, federal and state regulations and ethics, medical and pharmaceutical terminology, pharmacy calculations and conversions, sterile and non-sterile compounding, and communicative customer service. Students will also examine essential medical topics such as body systems, common diseases and conditions, and medication errors. This course prepares students to sit for the nationally recognized Pharmacy Technician Certification Exams. This preparation includes learning the 200 most prescribed medications.





HOSPITALITY & TOURISM



CULINARY MANAGEMENT PATHWAY

ProStart I/ProStart II

10th-12th Grade

Length: 1 year

Food safety and sanitation, commercial equipment, and cooking methods for soups, sauces, stocks and more. Menu design, business operations, and cooking methods for meats, pasta, desserts, and more.

ProStart III: Advanced Culinary Practicum

11th-12th Grade

Length: 1 year

An upper-level program where students are enrolled in the National Restaurant Association's "RYRA" (Restaurant Youth Registered Apprenticeship) program. Students run the CCICafé and execute caterings.

**ProStart prerequisite: If you are a Grandview or Smoky Hill student, one year of ProStart at your home school is required*

PROSTART I / PROSTART II

GRADES: 10-12

LENGTH: 1 YEAR

CREDITS: 2.0 CTE

EST. FEES: \$200

Prerequisite: *Grandview and Smoky Hill students must take ProStart I at home high school.

Dual Enrollment: ProStart I (RST 1550, 3 credits), ProStart II (RST 2550, 3 credits)

Certifications: ServSafe Food Handler, ServSafe Allergen, Colorado Restaurant Association Workforce Readiness Certificate and ProStart National Certification of Achievement. (additional certifications available upon request)

Course Description: This pre-apprenticeship course from the National Restaurant Association Educational Foundation and Colorado Restaurant Foundation introduces students to a competency-based foodservice & hospitality management curriculum offered to students in grades 10-12. It is a study of culinary arts, restaurant and lodging management, employability skills, and business entrepreneurship coupled with paid mentored work internships in a broad spectrum of industry restaurant, foodservice, and lodging operations. Students who wish to obtain the national ProStart certification must complete a 400 - hour guided internship and pass the exams for both ProStart I & II. Successful participants in the program will have the opportunity to receive college credits, earn industry certifications and credentials, compete in the ProStart Invitational Competitions, and apply for industry scholarships.

***Note:** Students must pass the ServSafe Food Handler certification first semester in order to advance to second semester.



PROSTART III: ADVANCED CULINARY PRACTICUM (formerly ProStart Youth Apprenticeship)

GRADES: 11-12

LENGTH: 1 YEAR

CREDITS: 2.0 CTE

EST. FEES: \$200

Prerequisites: ProStart I and/or ProStart II

Certifications: ServSafe Manager, ProStart National Certificate of Achievement, ServSuccess Certified Restaurant Professional, Certified Line Cook (additional certifications available upon request)

Course Description: This upper-level culinary program is an opportunity for students to put their culinary & restaurant management knowledge to the test! Students are enrolled in the National Restaurant Association's "RYRA" (Restaurant Youth Registered Apprenticeship) program and can start earning hours towards the "Restaurant Line Cook Apprenticeship" starting at 17 years old. Students learn applicable industry skills through class instruction and can earn paid work hours outside of class time through an approved employer or through the CCICafé. In addition, students will be working alongside the Hospitality Management program to cater CCIC events, teaching them communication, leadership, cost analysis, teamwork, responsibility, and professionalism- skills they can apply to any industry they choose for their future.



HOSPITALITY & TOURISM



HOSPITALITY MANAGEMENT PATHWAY

Resort & Event Management

10th-12th Grade

Length: 1 year

Exploration of the career opportunities in hospitality through executing real events, site visits across Colorado, networking with industry professionals, and gaining hands-on internship experiences with our partners!

Hospitality Leadership Experience

11th-12th Grade

Length: 1 year

Advanced program for hospitality students ready for immersive work-based learning experiences. Students will also develop leadership skills through integrated mentorship.



RESORT & EVENT MANAGEMENT

GRADES: 10-12	LENGTH: 1 YEAR	CREDITS: 1.0 CTE /1.0 ENG B	EST. FEES: \$165
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Dual Enrollment: Hotel Industry Fundamentals (HTL 1010, 3 credits) & Introduction to Hospitality (HLDR 1000, 3 credits)



EngB

Certifications: Certified Guest Service Professional (CGSP), ServSafe Food Handler, and Hospitality & Tourism Specialist (HTS).

Course Description: This two-year industry-developed curriculum by the American Hotel and Lodging Educational Institute covers careers in hospitality and restaurant operations, customer service, sales, marketing, employability and soft skills, communication, guest experience cycle and food and beverage services. Successful participants in the program will have the opportunity to receive college credits, earn industry certifications and credentials, participate in a mentored internship off site and at our on-site café, and apply for industry scholarships. CCIC students will also have the opportunity to earn internship hours through our on-site cafe. Includes a 100-hour internship.

HOSPITALITY LEADERSHIP EXPERIENCE

GRADES: 11-12	LENGTH: 1 YEAR	CREDITS: 1.0 CTE /.5 ENG C/.5 TECH WRITING	EST. FEES: \$100
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Prerequisites: One of the following: Resort & Event Management or ProStart I/II

Concurrent Enrollment: Technical Writing I (ENG 1031, 3 credits)



EngC

Tech

Dual Enrollment: Resort Operations (HTL 1500, 3 credits) & Organizational Leadership for Hospitality (HLDR 3600, 3 credits)

Certifications: AHLEI Hospitality Manager: Leadership Training, AHLEI Certified Front Desk Representative, ServSafe Unconscious Bias Training, ServSafe Sexual Harassment Training, ServSafe Manager

Course Description: This advanced program is for hospitality students who are ready for immersive work-based learning experiences within the hospitality industry. Students will start the year exploring hospitality career paths and developing their leadership styles using self-assessments and integrated mentorship experiences. Students will apply their different hospitality skills across authentic industry-directed problems of practice. In addition, students will develop goals and a plan for 150 hours of work-based learning experiences to be completed throughout the year. A digital portfolio will be utilized to showcase each student's industry experience(s) and skills they develop along with industry mentor and instructor feedback. Student's industry experience can be on campus (ex: CCIC events, CCICafé, CTE project management intern) or off campus (ex: hotel or restaurant internship or RYRA apprenticeship). The experience may be paid or unpaid (depending on the experience each student coordinates). Students should have access to transportation for off campus experiences.



INFRASTRUCTURE ENGINEERING



Scan to [watch a video](#)
about the Infrastructure
Engineering Pathway



Construction I

10th-12th grade

Students gain practical experience in the various building trades using industry tools and materials.

Construction II

11th-12th grade

Students will expand on skills gained in the previous year and begin an introduction to commercial materials and career pathways.



CONSTRUCTION I

GRADES: 10-12

LENGTH: 1 YEAR

CREDITS: 1.0 CTE/ 1.0 MTH A

EST FEES: \$120

Prerequisite: Algebra I

Certifications: OSHA-10 Construction, Home Builders Institute (HBI) Pre-Apprenticeship Certificate Training (PACT)

MthA

Course Description: This is the foundation course to basic residential construction. Students will demonstrate competencies that are nationally recognized by the construction industry. Students will learn and practice structural framing of floors, walls, ceilings, and roofs. This course also includes the use of basic construction tools and machinery, applied math, and an introduction to blueprint reading. This course teaches students industry safety including the use of all machines and tools. In addition, topics will include electrical wiring, masonry, plumbing, carpentry, HVAC, drywall, foundations, footings, stairs, doors, and employability.

Note: Construction I students must be able to carry 20 lbs. across the classroom and lift 15 lbs. overhead. Construction I students must be able to lift, bend, twist, and work overhead, as well as under a structure. Construction I students must be able to climb a ladder and work from an elevated position.

CONSTRUCTION II

GRADES: 11-12

LENGTH: 1 YEAR

CREDITS: 1.0 CTE/ 1.0 MTH A

EST FEES: \$120

Prerequisite: Construction I

Certifications: Home Builders Institute Pre-Apprenticeship: Carpentry, Electrical, Plumbing

MthA

Course Description: In Construction II, students will gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians or supervisors, or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will gain more complex practical experience with carpentry, electrical and plumbing. Working in conjunction with the Associated General Contractors of Denver, students focus on various skills in preparation for entry into trades apprenticeships. Students will be introduced to all facets of residential and commercial wiring, installation of fixtures, plumbing and exterior and interior finish work. Carpentry in Construction II will include a more comprehensive understanding of framing, drywall, exterior siding, roofing, insulation, windows, doors, trim and cabinet installation. Students are expected to work closely with people, do physical work and solve problems independently.

Note: Construction II students must be able to carry 20 lbs. across the classroom and lift 15 lbs. overhead. Construction II students must be able to lift, bend, twist, and work overhead, as well as under a structure. Construction II students must be able to climb a ladder and work from an elevated position.



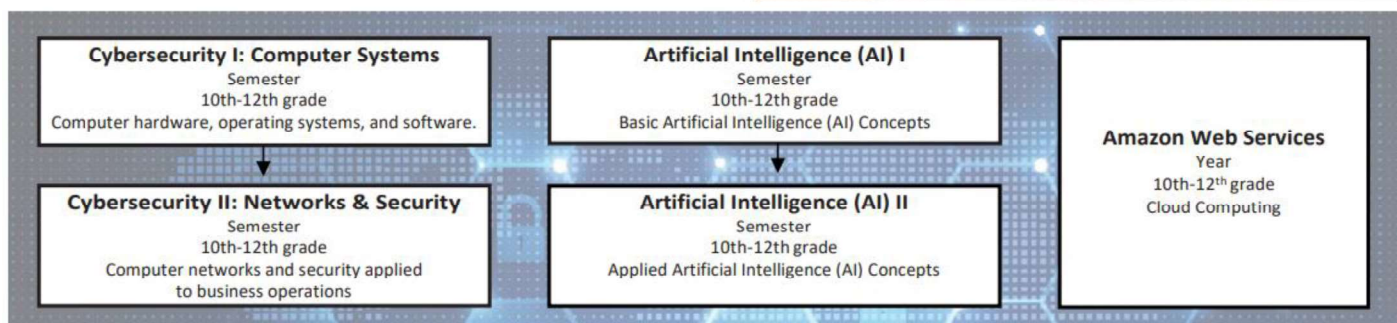
IT/STEAM



IT PATHWAY



Scan to [watch a video](#)
about the IT Pathway



CYBERSECURITY I: COMPUTER SYSTEMS

GRADES: 10-12	LENGTH: 1 SEMESTER	CREDITS: .5 CTE/.5 TECH WRITING	EST. FEES: \$50
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Concurrent Enrollment: Technical Writing I (ENG 1031, 3 credits)

Certifications: Google IT Support Professional



Course Description: This course will give students hands-on experience with computer hardware, operating systems, and software. Students will also learn the essentials of computer networks and how the internet works. Along the way, students will be exposed to a variety of security implications that impact our computer systems and society today. At the end of this course, students will be prepared to take the Google IT Support Professional exam, a credential that demonstrates their ability to be able to diagnose and troubleshoot a variety of IT-related issues. Cybersecurity I is a course intended to teach students the basic concepts of cybersecurity. The course places an emphasis on security integration, application of cybersecurity practices and devices, ethics, and best practices management. The fundamental skills in this course cover both in house and external threats to network security and design, how to enforce network level security policies, and how to safeguard an organization's information. Upon completion, proficient students will be able to demonstrate an understanding of cybersecurity concepts, identify fundamental principles of networking systems, understand network infrastructure and network security, and be able to demonstrate how to implement various aspects of security within a networking system.

CYBERSECURITY II: NETWORKS & SECURITY

GRADES: 10-12	LENGTH: 1 SEMESTER	CREDITS: .5 CTE/.5 MTH D	EST. FEES: \$0
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Prerequisite: Cybersecurity I: Computer Systems

Concurrent Enrollment: Principles of Information Assurance (CNG 1031, 3 credits), Network Security Fundamentals (CNG 1032, 3 credits)



Certifications: CompTIA Security+, CompTIA Network+

Course Description: In this course, students will dive deeper into networking and security concepts. Students will learn to design, implement, and troubleshoot issues for both wired and wireless networks. Students will also learn more about cryptography as well as security in business operations including risk management and disaster recovery. Students will be prepared to take the industry-recognized CompTIA Network+ and CompTIA Security+ exams. Cybersecurity II challenges students to develop advanced skills in concepts and terminology of cybersecurity. This course builds on previous concepts introduced in Cybersecurity I while expanding the content to include malware threats, cryptography, wireless technologies and organizational security. Upon completion of this course, proficient students will be able to demonstrate and understanding of cybersecurity ethical decisions, malware threats, how to detect vulnerabilities, principles of cryptology, security techniques, contingency plan techniques, security analysis, risk management techniques, and advanced methods of cybersecurity.



IT/STEAM



IT PATHWAY

ARTIFICIAL INTELLIGENCE I *(formerly Data Science I: Foundations)*

GRADES: 10-12	LENGTH: 1 SEMESTER	CREDITS: .5 CTE/.5 MTH C	EST. FEES: \$50
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Prerequisites: One of the following: Computer Programming I, AP Computer Science Principles or equivalent

Suggested Prerequisite or Corequisite: Statistics or AP Statistics

MthC

Course Description: In this course students will be introduced to the concept of Artificial Intelligence (AI). Students will learn the basic concepts of AI and how to use it to efficiently answer questions about the world. More specifically, students will develop the fundamental computer science, mathematical reasoning, and user experience skills to eventually build AI software. This course is ideal for students who are interested in learning more about how AI can be better leveraged in careers, life and beyond.

ARTIFICIAL INTELLIGENCE II *(formerly Data Science II: Machine Learning)*

GRADES: 10-12	LENGTH: 1 SEMESTER	CREDITS: .5 CTE/.5 MTH B	EST. FEES: \$0
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Prerequisites: Artificial Intelligence I

MthB

Course Description: This course teaches students how to apply the skills learned in Artificial Intelligence I to build their own AIs. More specifically, this course introduces machine learning, deep learning, and statistical pattern recognition techniques that are used to build systems that can predict outcomes and generate new content. This course is ideal for students who are interested in pursuing careers in computer science or IT, and is especially great for students who dream of creating a computer that can learn.

AMAZON WEB SERVICES ACADEMY: INTRODUCTION TO CLOUD COMPUTING

GRADES: 10-12	LENGTH: 1 YEAR	CREDITS: 2.0 CTE	EST. FEES: \$50
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Concurrent Enrollment: Technical Writing I (ENG 1031, 3 credits)



Certification: AWS Certified Cloud Practitioner

Course Description: AWS Academy: Introduction to Cloud is an exploration of cloud computing. In this course, students explore cloud computing services, applications, and use cases. Students dive into cloud computing best practices and learn how cloud computing helps users develop a global infrastructure to support use cases at scale while also developing and inventing innovative technologies. This course provides students with classroom instruction that introduces cloud computing skills and accelerates students toward the next steps in their educational journey. The content of this course is aligned to the K-12 Computer Science Framework Practices including computational thinking. The seven core practices of computer science describe the behaviors and ways of thinking that computationally literate students use to fully engage in today's data-rich and interconnected world.



IT/STEAM



STEAM PATHWAY – PRODUCT DESIGN & FABRICATION



Scan to [watch a video](#) about the STEAM Pathway



Product Design I

10th-12th grade

Bring ideas from initial concept to tangible reality using design thinking and processes.

Product Design II

10th-12th grade

Solve design problems by using the latest applications for direct digital fabrication.

Product Design III

10th-12th grade

Advanced work in any Drafting and Design Program of study.

Product Design IV

11th-12th grade

Design & fabricate a working prototype for an industry specific challenge.

PRODUCT DESIGN I

GRADES: 10-12

LENGTH: 1 SEMESTER

CREDITS: .5 CTE/.5 PHY SCI

EST. FEES: \$100

Suggested Prerequisite: Computer Aided Design (CAD) or similar design course

Dual Enrollment: Introduction to Industrial Design (IND 1000, 1 credit) & Technical Drawing & CAD (IND 1450, 3 credits)

Certifications: Society of Manufacturing Engineers Additive Manufacturing Fundamentals, Certified Associate - CSWA-AM Additive Manufacturing, SOLIDWORKS Certified Associate - CSWA Mechanical Design

Course Description: Students that are interested in careers involving design, engineering and innovation. Students will utilize design thinking and the design process to research, conceptualize, design, prototype, and evaluate physical products. Students will develop their digital fabrication skills utilizing production machines. Students will design and create both as an individual and in collaborative groups, including working on/with projects directly from industry. This course is the professional practice of creating products that enhance the function, usability, value, and appearance of products with the goal of benefiting the user, manufacturer, community, and the environment. Also known as product design, industrial design education prepares students to design systems and tangible artifacts including, consumer and recreational products, medical and computer equipment, and transportation and environments. Both generalist and specialist, industrial designers tend to be part artist, part entrepreneur and engineer. This course is designed for students interested in careers in Industrial Design, Packaging Design, or Design Arts industry sector. Students will be introduced to industry standard tools, skills, and materials that they can manipulate as the primary means of manufacturing and package design. Students will explore basic applications of various tools to create projects in both digital and 3D format.



PRODUCT DESIGN II

GRADES: 10-12

LENGTH: 1 SEMESTER

CREDITS: .5 CTE/.5 PHY SCI

EST. FEES: \$100

Prerequisite: Product Design I

Dual Enrollment: Computer Aided Modeling (IND 3660, 3 credits)

Certifications: SOLIDWORKS Certified Associate - CSWA Mechanical Design, SOLIDWORKS Certified Professional - CSWP Mechanical Design, SOLIDWORKS Certified Expert - CSWE Mechanical Design

Course Description: Students that are interested in careers involving design, engineering, and innovation. Students will explore and use the latest applications of direct digital fabrication. Emphasis will be placed on practical experience in utilizing departmental equipment to produce digital 3D files and output them to appropriate direct digital fabrication equipment. Students will solve design problems by applying knowledge of material properties, ergonomics, form vs. function, additive manufacturing (3D printing), principles of design, and elements of art. Students will design and create both as an individual and in collaborative groups, including working on/with projects directly from industry. This course prepares students to design systems and tangible artifacts and deepen understanding of manufacturing and marketing processes. Students will advance development of industry-standard tools, skills, and material usage for product manufacturing and design in Industrial Design, Packaging Design, or Design Arts industry sector.





IT/STEAM



STEAM PATHWAY – PRODUCT DESIGN & FABRICATION



PRODUCT DESIGN III

GRADES: 10-12	LENGTH: 1 SEMESTER	CREDITS: .5 CTE/.5 PHY SCI	EST. FEES: \$100
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Prerequisite: Product Design II

PhySci

Certifications: SOLIDWORKS Certified Associate - CSWA-Mechanical Design, SOLIDWORKS Certified Professional - CSWP Mechanical Design, SOLIDWORKS Certified Expert - CSWE Mechanical Design, Stratasys Additive Manufacturing Certification

Course Description: This course allows for advanced work in any Drafting and Design Program of Study. This advanced work can be individualized to the specific program of study to allow for specialized study for the student. It may include project-based learning or preparation for the end of program industry certification. Specific content and course design will be determined by the instructor in collaboration with the individual student.

PRODUCT DESIGN IV

GRADES: 11-12	LENGTH: 1 SEMESTER	CREDITS: .5 CTE/.5 TECH WRITING	EST. FEES: \$100
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Prerequisites: Product Design III

Concurrent Enrollment: Technical Writing I (ENG 1031, 3 credits)



Tech

Certifications: SOLIDWORKS CSWA+, Stratasys Additive Manufacturing Certification

Course Description: Students who have completed Product Design III, will team with other students from various CCIC pathways to solve real world problems faced by our business & industry partners. The teams will initiate, plan, execute, monitor and control, and close the project by presenting the sponsor with the deliverable and/or solution. The STEAM students will bring their design and fabrication skills to this process and help produce the prototype or functional product. All students enrolled in this course must be willing to improve their skills in collaboration, leadership, time management, teamwork, commitment, and perseverance. This course can be repeated for credit.

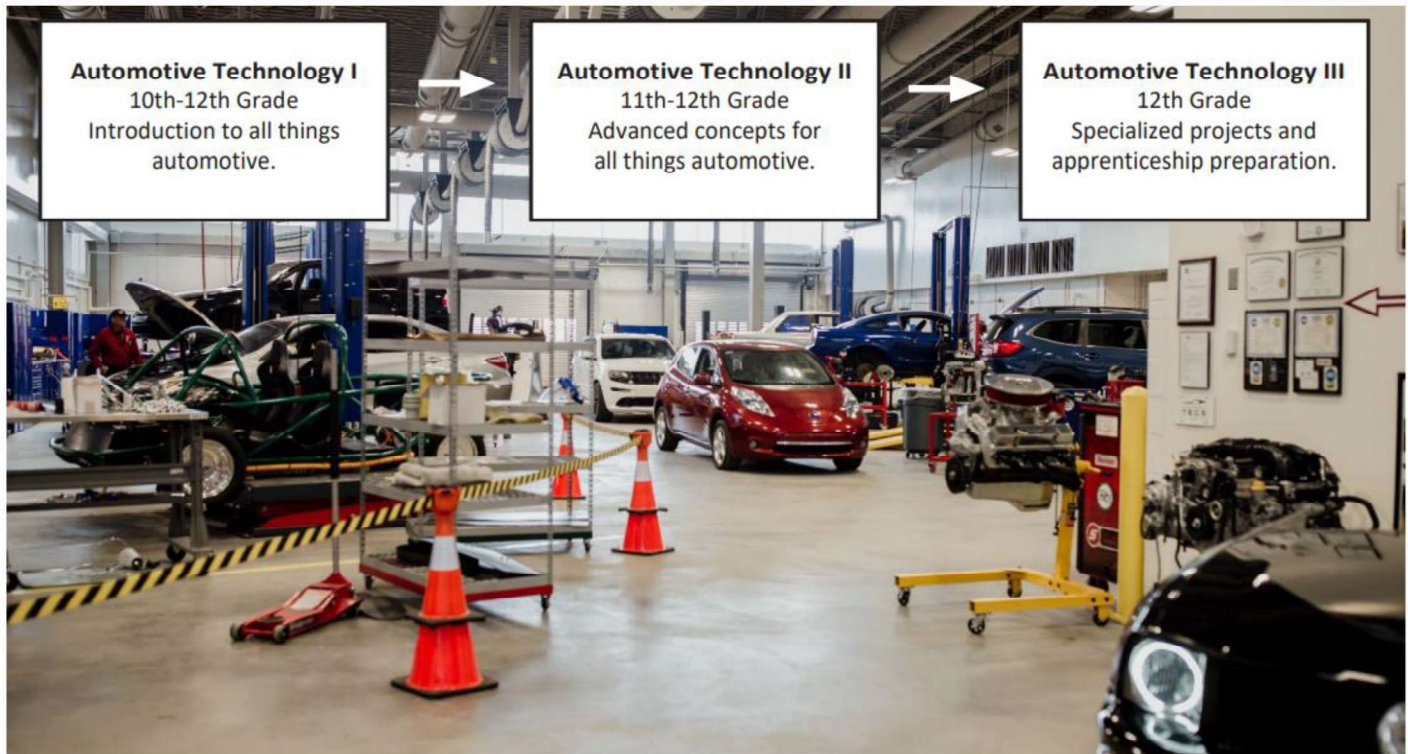




TRANSPORTATION



AUTOMOTIVE TECHNOLOGY



AUTOMOTIVE TECHNOLOGY I

GRADES: 10-12	LENGTH: 1 YEAR	CREDITS: 1.0 CTE/ 1.0 PHY SCI	EST FEES: \$95
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Concurrent Enrollment: Auto Shop Orientation (ASE 1001, 2 credits), Auto Maintenance I (ASE 1003, 2 credits), Basic Automotive Electricity (ASE 1020, 2 credits), Automatic Transmission/Transaxle Service (ASE 2050, 1 credit)



Certifications: Snap-on Certifications (Multimeter, Torque, Precision Measurement, Scanner and Diagnostics), Ford ACE Training

Course Description: Automotive Technology I explores automotive industry standards and terminology, career opportunities and classifications, shop operations and safety, tool identification and usage, diagnostic equipment identification and usage, automotive systems, tires and wheels, hydraulic braking systems, cooling systems, lubrication systems, and preventative maintenance. Also included is basic operation of automotive braking systems, operation, diagnosis and basic repair of disc, drum, and basic hydraulic braking systems. The basics of electrical systems, electronic systems, batteries, starting systems, charging systems, lighting systems, electrical instruments and accessories, and ignition systems will also be studied. This course focuses on the diagnosis and service of suspensions and steering systems and their components. Students who successfully complete all Automotive Technology courses will have the knowledge needed to pass the ASE certification exam for MLR. Students who pass the exam and meet the work-based requirement will be eligible and encouraged to enter the workforce as an ASE-Certified MLR Technician.



TRANSPORTATION



AUTOMOTIVE TECHNOLOGY

AUTOMOTIVE TECHNOLOGY II

GRADES: 11-12	LENGTH: 1 YEAR	CREDITS: 1.0 CTE/ 1.0 PHY SCI	EST. FEES: \$95
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Prerequisite: Automotive Technology I; secondary application & skills assessment required



Concurrent Enrollment: Automotive Brake Service I (ASE 1010, 2 credits), Suspension & Steering I (ASE 1040, 2 credits), Automotive Electrical Safety Systems (ASE 1022, 1 credit), Introduction to Automotive Heating and Air Conditioning (ASE 2064 – 1 credit) – *only available to students who completed concurrent enrollment in Auto Tech I*

Certifications: Snap-on Certifications (Wheel Service & Alignment, Advanced Scanner Diagnostics, Pro-Cut on-car Rotor Machining, Battery Starting and Charging), ASE Student Automobile Certifications (Brake Systems, Suspension & Steering Systems, Electrical/Electronic Systems, and Engine performance), ASE Maintenance & Light Repair (MLR), Ford ACE Training, Subaru University Level I, Toyota TECS Elite

Course Description: Automotive Technology II is the second course in the Automotive Technology program of study and covers important skills and knowledge on becoming a professional service technician. The Automotive Technology II course prepares students for entry into Automotive Technology III. Students study automotive general electrical systems, starting and charging systems, batteries, lighting, and electrical accessories. Students who successfully complete all Automotive Technology courses will have the knowledge needed to pass the ASE certification exam for MLR. Students who pass the exam and meet the work-based requirement will be eligible and encouraged to enter the workforce as an ASE-Certified MLR Technician.

AUTOMOTIVE TECHNOLOGY III

GRADES: 12	LENGTH: 1 YEAR	CREDITS: 2.0 CTE	EST. FEES: \$95
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Prerequisites: Automotive Technology I and II; secondary application and skills assessment required

Certifications: Continuation of Snap-on Certifications (Wheel Service & Alignment, Advanced Scanner Diagnostics, Pro-Cut on-car Rotor Machining, Battery Starting and Charging), ASE Student Automobile Certifications (Brake Systems, Suspension & Steering Systems, Electrical/Electronic Systems, and Engine performance), Ford ACE Training

Course Description: Students learn advanced diagnostic techniques including high performance concepts. Do you love automotive technology, but want to know more about how to make cars go fast? Do you have a mechanical mind, and don't just love working with cars, but want to maximize horsepower to achieve top speed at the race track? Does this sound like you? In Automotive Technology III you will be part of a team that: Builds a high-performance engine and runs it on a specialized test stand, is exposed to all aspects of engine machining, learns how to tune engines for maximum output and drivability using various data acquisition tools, learns to improve performance of engines and maintain peak performance of racing engines, and learns aspects of high-performance chassis, brake and suspension modifications including those on our in-house NASCARs. In addition, students will have opportunities to compete in our SkillsUSA program. Students study and service suspension and steering systems and brake systems. Students who successfully complete all Automotive Technology courses will have the knowledge needed to pass the ASE certification exam for MLR. Students who pass the exam and meet the work-based requirement will be eligible and encouraged to enter the workforce as an ASE-Certified MLR Technician.



TRANSPORTATION



AVIATION MAINTENANCE ✈️

TWO YEAR ACCELERATED AVIATION MAINTENANCE PATHWAY

YEAR 1	SUMMER	YEAR 2	SUMMER
Accelerated General Aircraft Maintenance I & II (Half Day, Every Day , 1 Yr) 11th-12th grade Foundation of the Aviation Maintenance program.	Airframe I (7.5 Hrs, Every Day , 20 days) 11th-12th grade Introduction to Airframe Studies.	Airframe II & III (Half Day, Every Day , 1 Yr) 11th-12th grade Continuation of aircraft structures and systems.	Airframe IV (7.5 Hrs, Every Day , 20 days) 12th grade Completion of the Airframe education and exam preparation.

THREE YEAR AVIATION MAINTENANCE PATHWAY

YEAR 1	YEAR 2	SUMMER	YEAR 3	SUMMER
General Aircraft Maintenance I (Half-Day, Every Other Day, 1 Yr) 10th-12th grade Foundation of the Aviation Maintenance program.	General Aircraft Maintenance II (Half-Day, Every Other Day, 1 Yr) 11th-12th grade Continuation of General Aircraft Maintenance I.	Airframe I (7.5 Hrs, Every Day , 20 days) 11th-12th grade Introduction to Airframe Studies.	Airframe II & III (Half Day, Every Day , 1 Yr) 11th-12th grade Continuation of aircraft structures and systems.	Airframe IV (7.5 Hrs, Every Day , 20 days) 12th grade Completion of Airframe education and exam preparation.

ACCELERATED GENERAL AIRCRAFT MAINTENANCE I & II

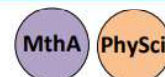
TWO YEAR

GRADES: 11-12	LENGTH: 1 Year (meets daily)	CREDITS: 2.0 CTE/ 1.0 MTH A/ 1.0 PHY SCI	EST. FEES: \$150
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Suggested Prerequisite: Algebra I

Certifications: Snap-on Multimeter, Snap-on Torque, Snap-on Precision Measurement

Course Description: This course covers basic subjects, such as mathematics for aviation, basic physics for aviation, and basic electricity. In addition, this course will provide a foundation for further studies in the aviation maintenance pathway including the FAA coursework for General Aviation Mechanics. With successful completion of this class, the student may sit for the General Knowledge Exam portion of the FAA written tests.



GENERAL AIRCRAFT MAINTENANCE I

THREE YEAR

GRADES: 10-12	LENGTH: 1 Year	CREDITS: 1.0 CTE/ 1.0 MTH B	EST. FEES: \$75
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Suggested Prerequisite: Algebra I

Certifications: Snap-on Multimeter

Course Description: This course is an introduction to foundational subjects, such as mathematics for aviation, physics for aviation, and basic electricity. In addition, this course will provide for further studies in the aviation maintenance pathway including the FAA coursework for General Aviation Mechanics.



GENERAL AIRCRAFT MAINTENANCE II

THREE YEAR

GRADES: 11-12	LENGTH: 1 Year	CREDITS: 1.0 CTE/ 1.0 PHY SCI	EST. FEES: \$75
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Prerequisite: General Aircraft Maintenance I

Certifications: Snap-on Torque, Snap-on Precision Measurement

Course Description: This course builds on the subjects addressed in General Aircraft Maintenance I and prepares students for future studies in the program. This class includes Regulations, Maintenance Forms, Records, and Publications, Fluid lines and fitting, weight and balance, aircraft materials, aircraft ground operation, cleaning and corrosion, aircraft drawings, and inspection techniques. Many of these subject areas afford the student opportunities to work on the program's aircraft in the hangar. With successful completion of this class, the student may sit for the General Knowledge Exam portion of the FAA written tests.





TRANSPORTATION



AVIATION MAINTENANCE ✈️

AIRFRAME I (SUMMER)

TWO & THREE YEAR

GRADES: 11-12	LENGTH: 7.5 hrs/day, 20 days	CREDITS: 1.0 CTE	EST. FEES: \$150
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Prerequisites: General Aircraft Maintenance I & II

Course Description: This course builds on General Aircraft Maintenance I & II. This course will cover wood structures, aircraft coverings, non-metallic structures, and aircraft finishes.

AIRFRAME II & III

TWO & THREE YEAR

GRADE: 11-12	LENGTH: 1 Year (meets daily)	CREDITS: 3.0 CTE/ 1.0 MTH B	EST. FEES: \$ 150
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Prerequisites: General Aircraft Maintenance I & II, Airframe I is recommended for class / required if pursuing certification

Course Description: In Airframe II & III, students will continue their study of Airframe Maintenance. Topics include aircraft sheet metal, electrical systems, hydraulic and pneumatic power systems, fuel systems, water and waste systems, and landing systems.

MthB

AIRFRAME IV (SUMMER)

TWO & THREE YEAR

GRADES: 12	LENGTH: 7.5 hrs/day, 20 days	CREDITS: 0.5 CTE/ 0.5 PHY SCI	EST. FEES: \$150
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Prerequisites: General Aircraft Maintenance I & II, Airframe I, II, & III

Certifications: After completing this final course in the pathway, Airframe IV, students may be eligible to take 2 FAA written tests: General and Airframe. Once the written tests are passed, students may be eligible to take an oral and practical test with a Designated Mechanic Examiner (DME). Contact instructor for further details.

Course Description: This course is the conclusion of Airframe Maintenance required by the FAA prior to testing. Topics for the class include instrument systems, communication and navigation systems, and inspection processes.

PhySci





TRANSPORTATION



AVIATION FLIGHT PATHWAY

PRIVATE PILOT GROUND SCHOOL

GRADES: 10-12	LENGTH: 1 SEMESTER	CREDITS: .5 CTE/.5 MTH B	EST. FEES: \$105
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Dual Enrollment: Aviation Fundamentals (AES 1100, 4 credits)

Certification: FAA Private Pilot Knowledge Examination

Course Description: This course presents the fundamentals of aviation for the beginning student which includes a study of the airplane and its components, aerodynamics, basic aircraft systems, the airport environment, air-traffic control procedures, Federal Aviation Regulations, the basic elements of air navigation including radio navigation, and a review of aviation weather. At the end of the course students will be prepared to take the FAA Private Pilot Knowledge Test (aka "Written Exam"). Students wishing to complete their Private Pilot Certificate will need to find an FAA certified flight instructor and receive flight instruction to prepare for the FAA Private Pilot Practical Test. Passing the Knowledge Test ("written"), together with passing the Practical Test ("FAA check ride"), are required to earn a Private Pilot Certificate.



MthB

DRONE PILOT

GRADES: 10-12	LENGTH: 1 SEMESTER	CREDITS: .5 CTE/.5 MTH B	EST. FEES: \$105
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Dual Enrollment: Introduction to Unmanned Aircraft Systems (AES 1040, 3 credits)

Certifications: FAA Remote Pilot Certification (Part 107)

Course Description: Concepts in this course include drone components, drone operation, drone pilot skills, drone pilot careers, airspace, weather, airport operations, authorizations and waivers and the regulations governing drone operations. At the end of the course students will be prepared to take the FAA Remote Pilot Exam (Part 107). This course would be an applied applications course and could include instruction in aerial photography for commercial purposes, recording instrumentation, topics in inspection for industrial purposes, and data analytics.



MthB




CCSD Work-Based Learning



How does it work?

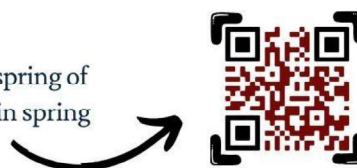
Internships and Apprenticeships provide students 1.0 Elective/Practical Fine Arts credits per semester to experience work-based learning during the school day. Students must apply for opportunities in the spring and be selected by a company to be placed in a CCSD Internship or Apprenticeship.

CTE Internships	Apprenticeships
<p>Internships are for exploration. If you are interested in an industry, this is a great way to shadow and experience a career in real life. Internships are a short-term commitment that can help you decide if a path after high school is really for YOU.</p> <ul style="list-style-type: none"> • Juniors that have completed at least 1 related CTE course can apply <div data-bbox="277 940 488 1052"> <p>Scan here to view CTE courses offered at your school</p>  </div> <ul style="list-style-type: none"> • Can be paid or unpaid • Short-term commitment (about 100 hours at the internship site) • Get real-world exposure to an industry • Shadowing industry professionals • Internship would begin the summer before senior year or during 1 semester of senior year 	<p>Apprenticeships are for students who are currently committed to a specific career path. This is an opportunity to gain relevant experience and grow in your field while still in high school. This is a real, long-term, job commitment. Get ahead of your peers by starting work early.</p> <ul style="list-style-type: none"> • Must be 16 by the start of upcoming summer to apply • Always a paid employee of company fulfilling a real job position • Long-term commitment (between 2-to-3 years) • Always begin working in high school and stay with company 1-to-2 years after graduation • Mentorship from industry professionals • Begin in entry-level position and gain skills necessary to advance in career • Company will support obtainment of certifications and/or some relevant college credit • Some apprenticeships begin summer before junior year, some begin summer before senior year

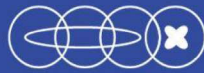
Internship and Apprenticeship opportunities vary each year (just like a real-life job board). Industries each year will be related to CTE Pathways.

How to apply:

Internship and Apprenticeship opportunities will be released in the spring of each school year. Check back to the CTE Work-Based Learning page in spring for more information.



Unleash Your Potential



Working with Children!

CHERRY CREEK'S OWN FUTURE EDUCATOR *Apprenticeship*



Did you know that you can **get paid** to work in a Cherry Creek School District elementary school while also **attending high school**?

Additionally, you can earn up to 24 hours of **FREE** college credit hours through UCD, AND **build** your **teamwork**, **communication** and **leadership** skills!

Scan the QR code to learn more!





www.cherrycreekschools.org/Page/14839

ASCENT

Let us pay for your first
year of college

WHAT IS ASCENT?

Accelerating Students through Concurrent Enrollment (**ASCENT**) is a fifth-year high school program that allows students to take concurrent enrollment courses at college/university the year after 12th grade. **It is a free program paid for by the State of Colorado and Cherry Creek School District.** **ASCENT** provides a unique opportunity for students to earn a postsecondary credential, helping students develop the knowledge, skills, and abilities necessary to be postsecondary and workforce ready.

ASCENT QUALIFICATIONS: A student is eligible if the student:

- ☒ Has completed, or is on schedule to complete at least **9 credit hours** (semester hours or equivalent) of transcribed, credit-bearing, college-level postsecondary coursework* prior to completing their 12th grade year. *Developmental education college courses do not qualify as part of the 9 required credits.*
- ☒ Is **college ready**, and not in need of developmental coursework in accordance with the pathway in which they enroll.
- ☒ Has not been designated an ASCENT program participant in any prior year (a student can only **participate in ASCENT for 1 academic year**).
- ☒ Applies to and is accepted into a postsecondary degree program at a **qualified Colorado institution of higher education**.

**Does not include International Baccalaureate (IB), College Level Education Program (CLEP), prior learning, or experiential courses, unless these exams/experiences have been converted to transcribed credits on a college transcript. The home high school counselor will help students with credits that need to be transcribed.*

HOW DOES IT WORK?

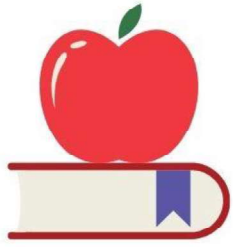
Students accepted into ASCENT will have tuition, fees and books paid for Fall 2024 and Spring 2025 at a Colorado post-secondary school approved by CCSD.

Current schools include Metro State University/Denver, Community College of Aurora, Community College of Denver, Arapahoe Community College, Red Rocks Community College as well as Emily Griffith and Pickens Technical Colleges.

A student accepted remains in the CCSD system as a senior for one additional academic year following 12th grade. They will then enroll in a postsecondary degree program. ASCENT credits and grades will be added to the high school transcript and the college transcript.

Students will receive their high school diploma after completion of the ASCENT year with the graduation date of May 2025 AND they can walk in graduation with the class of 2024.

Updated 10/30/2023



TREP

Let us pay for the first 2 years of your teaching degree

WHAT IS THE TREP PROGRAM?

The **T**eacher **R**ecruitment **E**ducation and **P**reparation (**TREP**) program exists to create opportunities for qualified students, in an **educator career pathway**, to enroll in postsecondary courses for up to two years after the 12th grade year. Students might be interested in teaching, counseling, special education or other education related fields.

Students accepted into the TREP program will have tuition, fees and books paid for Fall 2024, Spring 2025, Fall 2025, and Spring 2026 at participating community colleges/universities as identified by CCSD for courses in the educator career pathway. Students take all of their coursework at the college.

Students accepted into the TREP program remain a CCSD student, as a senior, for two additional academic years. Students will receive their high school diploma upon completion of the TREP program with the graduation date of 2026. They can graduate "socially" (walk in graduation ceremony with their original graduating class) in 2024. The State of Colorado caps the number of TREP students each year; those decisions are made in April or May each year.

Part time (3-11 credit hours) and full time (12-16 credit hour) options are available.

A STUDENT IS ELIGIBLE FOR TREP IF THE STUDENT:

- ☒ **Has taken one applicable concurrent enrollment course during senior year and earned college credit. Plans to pursue postsecondary studies in the field of education. (See QR code below for a list of courses.)**
- ☒ Is college ready, and not in need of developmental education coursework in accordance with the education career pathway in which they enroll.
- ☒ Completes an Individual Career and Academic Plan (ICAP) prior to declaring intent to participate in TREP.
- ☒ Applies to, and is accepted into, a postsecondary program to continue on an approved educator pathway at a Colorado institution of higher education approved by CCSD. (Metro, ACC, CCA, CCD, RRCC)
- ☒ Is entering the TREP program in the year immediately following the student's 4th year of high school.
- ☒ Upon entry to the TREP program, has not been designated a TREP program participant in any prior year (can only participate in TREP for 2 academic years).
- ☒ Is in good academic standing (minimum Grade Point Average of 2.0 in postsecondary coursework) and remains enrolled in an applicable educator pathway in order to participate in year 2 of the TREP program.



Scan to apply,
opens in Nov 1. and
closes March 1

www.cherrycreekschools.org/Page/14839



Updated 11/20/2023

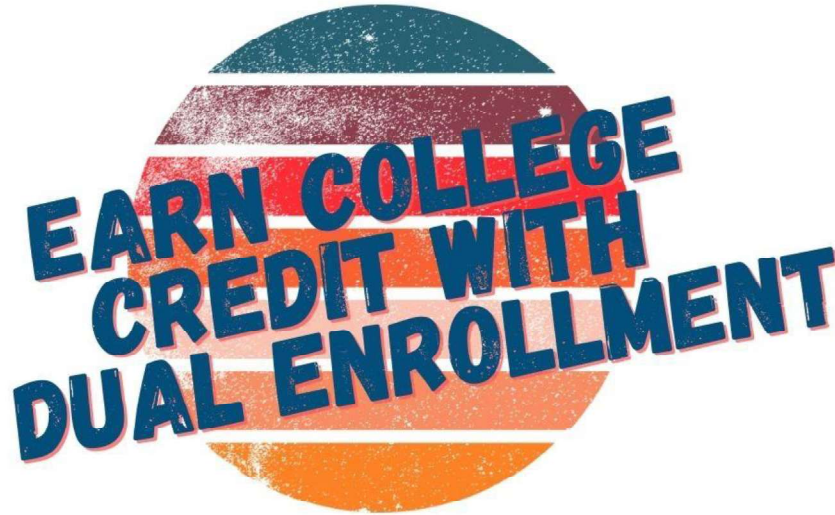
Scan to see required
coursework for the TREP
program.
Seniors in the FEP program
meet the coursework
requirement.





Concurrent & Dual Enrollment

C H E R R Y C R E E K
S C H O O L D I S T R I C T



Dual Enrollment classes enable students to enroll in college classes for reduced tuition. You can earn high school credit and college credit at the same time.

Check your high school course guide and ask your counselor to see if Dual Enrollment classes are available at your school.

**TAUGHT AT YOUR HIGH SCHOOL
BY YOUR CCSD TEACHERS**

**TAUGHT DURING THE REGULAR
HIGH SCHOOL DAY**

SAVE ON COLLEGE TUITION

EARN COLLEGE CREDIT



CU Succeed

UNIVERSITY OF COLORADO **DENVER**



MSUSM
DENVER

LEARN MORE AT WWW.CHERRYCREEKSCHOOLS.ORG/DOMAIN/6100



Concurrent & Dual Enrollment

C H E R R Y C R E E K
S C H O O L D I S T R I C T



*Successfully complete college classes at your high school and
earn high school credit & college credit at the same time!*

SAVE ON COLLEGE TUITION

Concurrent Enrollment Classes = FREE*

Compare to tuition costs at local universities/
colleges:

15 hours \$6812 @ CU Boulder
\$6889 @ CSU
\$6174 @ Metro State
\$5985 @ Mesa University
\$4203 @ Community College of Aurora
\$4203 @ Arapahoe Community College

EARN COLLEGE CREDIT

- Accumulate college credits while in high school
- Credits may transfer to most colleges/universities
- Many are guaranteed transfer credits to public, in-state schools. Also transfer as credits out of state (check with the college.)

*Concurrent Enrollment courses are offered through Colorado Community College System: ACC, CCA, RRCC, CCD and PCC



A WIDE VARIETY OF CLASSES

Core academics, electives,
Career & Technical Education
classes

Listed in your school's course
guide and website



TAUGHT AT YOUR CCSD HIGH SCHOOL

Taught by accredited CCSD
teachers at CCSD high schools.
Classes are in conjunction with
local community colleges.



LEARN MORE

Talk to your counselor to find
out if you qualify and how to
sign up



The below CTE Districtwide courses are available to all Cherry Creek School District students and take place at various locations. The registration process for CTE Districtwide courses vary. Please see the course descriptions for more information.

Cosmetology

Cosmetology I

Grade: 11, 12

Year: 6.0 credit

Estimated Course Fees: \$650 and cost of uniform scrubs

Concurrent/Dual Enrollment: Multiple opportunities available

Prerequisite: N/A

Location: Colorado's Finest High School of Choice in Englewood

This course takes place at Colorado's Finest High School of Choice in Englewood. Students are responsible for their own transportation. The Cosmetology program is a robust program that will prepare you to provide beauty services such as shampooing, cutting, coloring, styling, facials, manicures and pedicures. To be considered for this program, you must attend a parent meeting and orientation, as well as be on track to graduate in terms of credit hours. After applying, you will be contacted with more information. Multiple Concurrent Enrollment opportunities are available in this course. More information will be provided by the instructor. Course begins approximately August 15, 2024. The \$650 course fee includes cosmetology kit (used 1st and 2nd year; student keeps at completion of program), and consumables. Students will be responsible for purchasing uniform scrubs for the program. Anticipated session times: Option 1: Monday - Friday Morning Session (7:30 - 11:30am) OR Option 2: Monday - Friday Afternoon Session (12:00 - 4:00pm).

****Summer session runs during the month of June and is required in order to enroll in Cosmetology II. Dates are to be determined, Monday - Thursday from 7:30am - 5:30pm.**

To register for this course, scan the QR Code at the top of the page or visit www.cherrycreekschools.org/Page/11161 and click on the link for the CCIC Application.

Cosmetology II

Grade: 12

Year: 6.0 credit

Estimated Course Fees: \$75 and cost of uniform scrubs.

Concurrent/Dual Enrollment: Multiple opportunities available

Prerequisite: Successful completion of Cosmetology I & Summer Session

Location: Colorado's Finest High School of Choice in Englewood

This course takes place at Colorado's Finest High School of Choice in Englewood. Students are responsible for their own transportation. Cosmetology II is a certificate program requiring 1,500 hours which equals 50 credits in cosmetology, hairstyling, nail technology and esthetics. Students will learn theory, practice in hair care, cuts, color, perms, styling, nail technology and skin care. Students are prepared for supervised clinical practice and entry-level jobs in the cosmetology field. Students also explore career pathways, post-secondary options and career research techniques such as application preparation, resume/letter writing, and interviewing process. This program prepares students to pass the state-licensing exam given by the Department of Regulatory Agencies Office of Barber and Cosmetology (DORA). Multiple Concurrent Enrollment opportunities are available in this course. More information will be provided by the instructor. Course begins approximately August 15, 2024. The \$75 course fee includes consumables. Students will be responsible for purchasing uniform scrubs for the program. Anticipated session times: Option 1: Monday - Friday Morning Session (7:30 - 11:30am) OR Option 2: Monday - Friday Afternoon Session (12:00 - 4:00pm).

To register for this course, scan the QR Code at the top of the page or visit www.cherrycreekschools.org/Page/11161 and click on the link for the CCIC Application.

Esthetics

Grade: 12

Year: 5.0 credit

Estimated Course Fees: \$350 and cost of uniform scrubs

Concurrent/Dual Enrollment: Multiple opportunities available

Prerequisite: N/A

Location: Colorado's Finest High School of Choice in Englewood

This course takes place at Colorado's Finest High School of Choice in Englewood. Students are responsible for their own transportation. Estheticians, also called skin-care specialists, strive to make their clients look and feel younger and more attractive. They cleanse and beautify skin with facials and full-body treatments, apply makeup, remove facial or body hair with hot wax, give head and neck massages and may, with special training, perform microdermabrasion to remove imperfections and signs of age. Students are required to sell skin care products like those who run their own shops as entrepreneurs, involved in all phases of business management and marketing. To be considered for this program, you must attend a parent meeting and orientation, as well as be on track to graduate in terms of credit hours. After applying, you will be contacted with more information. Multiple Concurrent Enrollment opportunities are available in this course. More information will be provided by the instructor. Course begins approximately August 15, 2024. The \$350 course fee includes: esthetics kit (student keeps at completion of program) and consumables. Students will be responsible for purchasing uniform scrubs for the program. Anticipated session time is Monday-Friday, 12-3:30PM.

To register for this course, scan the QR Code at the top of the page or visit www.cherrycreekschools.org/Page/11161 and click on the link for the CCIC Application.

Future Educator

The Future Educator Pathway is a CTE Pathway that includes innovation, dual enrollment course work, and an apprenticeship in a CCSD elementary school. University of Colorado at Denver (UCD) dual enrollment coursework counts directly towards a post-secondary teaching degree. Courses follow the hybrid model combining asynchronous and synchronous learning. For additional Future Educator Apprenticeship information, please see "Future Educator Apprenticeship" under the "Work-based Learning" section in the CTE District wide Course Guide. For more information about this program, please check the Cherry Creek Schools CTE website for schedules and links to upcoming informational sessions at www.cherrycreekschools.org/cte.



Future Educator - Year 1

Students will select "Future Educator - Year 1" in the CTE/CCIC Application and be automatically enrolled in the following courses:

Grade: 11, 12	Year: 2.0 credits (each course 0.5)	Estimated Course Fees: may be applicable
Concurrent/Dual Enrollment: 12 credit hours total		Prerequisite: N/A
Location: Hybrid		

EDHD 1030 - Early Ed Field Experience

Working within the community to support children's learning requires competencies explored in this course. The experiences of seminar, paired with working at a local school or community-based context, will help students develop theoretical grounding as a community based educator. This course requires the student to be placed at a CCSD elementary school for observation hours. Students will be required to provide their own transportation to and from observation hours.

STEM 1000 - STEM Methods

This course provides an overview of STEM practices and philosophies in PK-12 education. STEM trends, foundations of practice, and resources are examined.

LCRT 2000 - Rebels, Villains, & Superheroes: How Children's Literature Shapes Our Identities

This course explores both classic and contemporary children's and adolescent literature and media in traditional and digital texts, specifically focusing on developing literary understandings, exploring perspectives and personal responses to literature, and inquiring into trends and issues.

HDFR1010 - Life Span Development in Ecological Settings

This course is designed to introduce students to human development in ecological settings in particular family, school and community contexts as it occurs across the lifespan, including emotional, physical, and cognitive development, and emphasizes personal adjustment and achievement.

Future Educator - Year 2

Students who have successfully completed Future Educator - Year 1 courses, will select "Future Educator - Year 2" in the CTE/CCIC Application and be automatically enrolled in the following courses:

Grade: 11, 12	Year: 2.0 credits (each course 0.5)	Estimated Course Fees: may be applicable
Concurrent/Dual Enrollment: 12 credit hours total		Prerequisite: N/A
Location: Hybrid		

CLDE 1000 - Language, Power, & Identity

This course explores the relationship between language, identity, and power in various international contexts. The course considers how legacies of inequality for particular communities are reflected in societal attitudes about languages and language users and subsequent language planning.

SPED 1030 - Understanding (dis)Ability in Contemporary Classrooms

This course provides an overview of special education by examining the history of special education, construction of dis/ability, characteristics of individuals with disabilities, aspects of disproportionality, and introduction to evidence-based instructional practices.

SPED 1400 - Universal Design for Learning

This course will introduce Universal Design for Learning (UDL), an important, contemporary educational philosophy, with an emphasis in a set of principles & techniques that focus on strategies and tools to help ALL students by accommodating their differences in inclusive classroom settings. Candidates will also be exposed to foundational information about children with disabilities who are included in today's classroom.

INTE 2000 - Digital Teaching and Learning

Survey of technology for: (1) your own learning, informally and in classes; (2) your students' learning when you become a teacher; and (3) sharing with peers and colleagues. Use tools to address problems of equity, access, and learning needs.

Work-Based Learning

The Cherry Creek School District Work-Based Learning program is designed to connect students with career pathways of interest by partnering with businesses in the community. Through these experiences, students will have the opportunity to explore career pathways and develop career readiness skills.



Career and Technical Education (CTE) Internship

Grade: 12

Semester: 1.0

Estimated Course Fee: Summer School Fees Only

Concurrent/Dual Enrollment: N/A

Location: Based on Internship

Length: 100 Internship hours during Fall, Spring or Summer Semester

The CTE Internship program will provide an opportunity for selected students to have experience in a career field that they would like to pursue after graduation. An internship is a form of firsthand learning that integrates knowledge and theory learned in the CTE classroom with practical application and skill development in a professional setting. This work/learning arrangement is overseen by the Work-Based Learning Instructor for CCSD. Within the internship, students can expect to do various work assignments, attend meetings, and complete projects. Professional success also depends on the level of student's maturity, responsibility and reliability. Internships can be paid or unpaid depending on the sponsoring company. Transportation is the responsibility of the student. This program is selective. To apply, the student must have taken a CTE course in the pathway they are pursuing. Students must apply and interview and be selected for an available CTE Internship. The student will then be enrolled in the course.

Applications for CTE Internship will be open during the second semester. Information on unique applications for each job will be available on the Cherry Creek School District Work-Based Learning page: <https://www.cherrycreekschools.org/domain/6101>; (or scan the QR code above). After applying, the Work-Based Learning team will follow up with next steps.

Apprenticeship - Year 1

Grade: 11, 12

Year: 2.0 credit

Estimated Course Fee: N/A

Concurrent/Dual Enrollment: N/A

Length: 12-16 hours per week

Location: Based on Apprenticeship

Through CCSD Apprenticeships, students earn a wage while receiving hands-on work experience where they can apply their high school CTE classroom learning each week. All apprenticeships take place during part of the school day while also taking courses needed for graduation. An apprenticeship lasts between 2-to-3 years to ensure that students have the experience to either enter the workforce upon completion and pursue relevant higher education if necessary to meet their career goals. All CCSD Apprenticeships begin during junior or senior year and span 1-to-2 years after graduation. This course is for first year apprentices who are hired into a CCSD Apprenticeship during their junior or senior year. Cherry Creek School District works collaboratively with industry partners each year to bring in new apprenticeship opportunities in CTE Pathways. In addition to the onsite apprenticeship, students will be responsible for attending seminars and completing weekly online activities throughout the duration of their apprenticeship. Eligibility depends on the application and interview process, in accordance with the student's maturity, reliability, commitment, and graduation status. Transportation is the responsibility of the student (free monthly RTD passes are available). This program is selective. Additional application materials and an interview are required.

Applications for CCSD Apprenticeship opportunities will be open during the second semester. Information on unique applications for each job will be available on the Cherry Creek School District Work-Based Learning page: <https://www.cherrycreekschools.org/domain/6101> (or scan the QR code above).

After applying, the Work-Based Learning team will follow up with next steps.

Apprenticeship - Year 2

Grade: 11, 12

Year: 3.0 credit

Estimated Course Fee: N/A

Concurrent/Dual Enrollment: N/A

Length: 16-20 hours per week

Location: Based on Apprenticeship

This course is for Apprentices as they continue the second year of their CCSD Apprenticeship. Current CCSD Apprentices will be given specific instructions from the Work-Based Learning team to register for this course.

Future Educator Apprenticeship

Students in the Future Educator Pathway have the opportunity to be a Future Educator Apprentice (see Future Educator Pathway above - Year 1 & 2 courses for course descriptions). As an apprentice, students earn valuable experience and work hours in the Education Pathway working as a paraprofessional in an elementary school within Cherry Creek School District. Students can earn college credits, wages, additional certification, classroom hours, and access to a professional network. In addition to the onsite apprenticeship, students will be responsible for attending seminars and completing weekly online activities throughout the duration of their apprenticeship. Transportation is the responsibility of the student (free monthly RTD passes are available).

Please see Future Educator Pathway course information (above) for students to register for Future Educator Pathway Year 1 or Year 2; students will indicate interest in being an apprentice in the application after selecting Future Educator Pathway Year 1 or Year 2 courses.



Automotive Technician Apprenticeship - Year 1

Grade: 11, 12

Year: 2.0 credit

Estimated Course Fee: N/A

Concurrent/Dual Enrollment: N/A

Length: 12-16 minimum work hours per week

Prerequisite: Automotive Technology I or similar demonstration of skill, Automotive Technology II recommended

Location: CCSD Transportation Department

The Automotive Technician Pathway Apprenticeship is offered by CTE in collaboration with our CCSD Transportation department. As an apprentice, students earn valuable experience and work hours in the Automotive Service pathway. Job duties include: assisting the vehicle maintenance department in beginning level inspection and maintenance and repairs on District equipment, vehicles and school buses. Students will earn wages and access to a professional network. In addition to the onsite apprenticeship, students will be responsible for attending seminars and completing weekly online activities throughout the duration of their apprenticeship. Transportation is the responsibility of the student (free monthly RTD passes are available). This program is selective. Additional application materials and an interview are required.

Applications for CCSD Apprenticeship opportunities will be open during the second semester. Information on unique applications for each job will be available on the Cherry Creek School District Work-Based Learning page: <https://www.cherrycreekschools.org/domain/6101> (or scan the QR code above).

After applying, the Work-Based Learning team will follow up with next steps.

Automotive Technician Apprenticeship - Year 2

Grade: 12

Year: 3.0 credit

Estimated Course Fee: N/A

Concurrent/Dual Enrollment: N/A

Length: 12-16 minimum work hours per week

Prerequisite: Automotive Technician Apprenticeship - Year 1

Location: CCSD Transportation Department

This course is a continuation of the Automotive Technician Apprenticeship - Year 1 and provides additional experience working with the CCSD Transportation department.

Current CCSD Apprentices will be given specific instructions from the Work-Based Learning team to register for this course.

Criminal Justice

Criminal Justice and Law I

Grade: 11, 12

Year: 1.0 credit

Estimated Course Fees: may be applicable

Concurrent/Dual Enrollment: CRJ 1010, CRJ 1045

Prerequisite: N/A

This course combines Introduction to Criminal Justice (CRJ 1010) and Correctional Process (CRJ 1045). This course introduces students to the basic components of the criminal justice system in the United States. Concepts of crime, crime data, victimization, perspectives and views of crime, theory, and law are discussed. Particular attention to the criminal justice process, interaction and conflict between criminal justice agencies, and current criminal justice issues are examined. Students' examine the history of corrections in America from law enforcement through the administration of justice, probation, prisons, correctional institutions, and parole. This course examines the theories, rationales for punishment, and the political system in which corrections, as a component part of the criminal justice system, needs to operate. The course emphasizes legal, sociological, psychological, and other interdisciplinary approached that effect the operation of a correctional system. This course is a yearlong course. Students will have the opportunity to earn high school credit while at the same time enroll in and earn six community college credits with the opportunity to transfer credit to an institution of higher education. More information can be found at www.cherrycreekschools/cte on the Concurrent Enrollment tab.

Criminal Justice and Law II

Grade: 12

Year: 1.0 credit

Estimated Course Fees: may be applicable

Concurrent/Dual Enrollment: CRJ 2005, CRJ 2057

Prerequisite: Criminal Justice and Law I

This course combines Principles of Criminal Law (CRJ 2005) and Victimology (CRJ 2057). Focuses on common law and statutory law crimes, the Model Penal Code, elements defining crimes and penalties, defenses to criminal accusations, and definitions and distinctions between criminal and civil law. Demonstrates to the student the role the crime victim plays in the criminal justice system. The traditional response that a crime victim receives from the system will be studied and the psychological, emotional and financial impact these responses have on victimization will be analyzed. Students will have the opportunity to earn high school credit while at the same time enroll in and earn six community college credits with the opportunity to transfer credit to an institution of higher education. More information can be found at www.cherrycreekschools.com/cte on the Concurrent Enrollment tab.

