


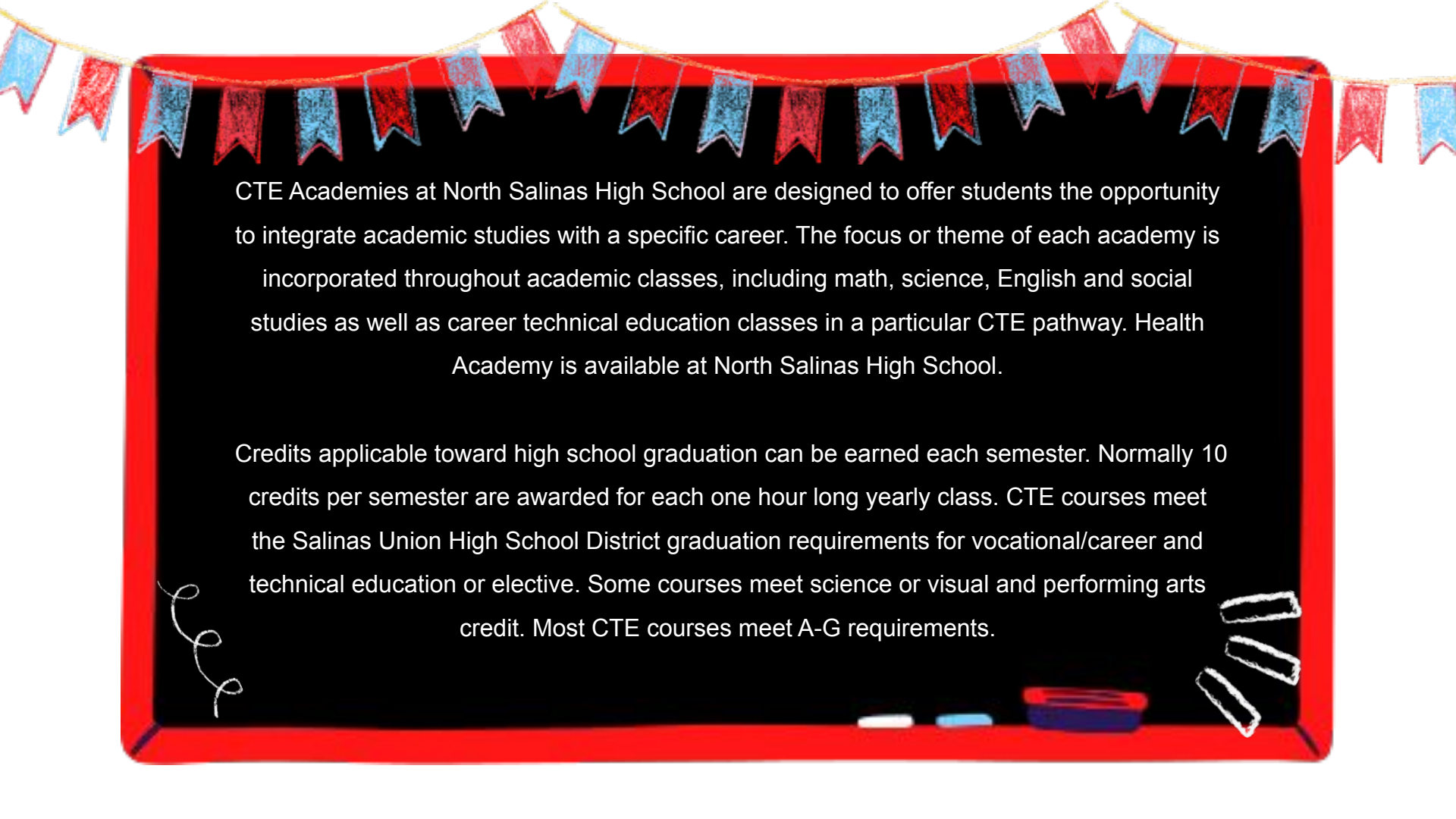


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Career and Technical  
Education (CTE)  
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Career and Technical Education (CTE) offers courses taught by industry professionals so students can attain 21st century career skills paired with real-world academics in a variety of different courses across 13 industry sectors. Our classes are designed to support student success in both college and career by developing students to have marketable skills and certifications, successful habits and real world industry experience.

CTE Pathway classes are offered at Mission Trails ROP Center and North Salinas High School. In many of our CTE classes, students will be given the opportunity to participate in job shadowing, classes at local offsite locations, work-based learning experiences and Career Student Leadership Organizations (CTSOs) such as Future Farmers of America, SkillsUSA and Health Occupations Students of America (HOSA).



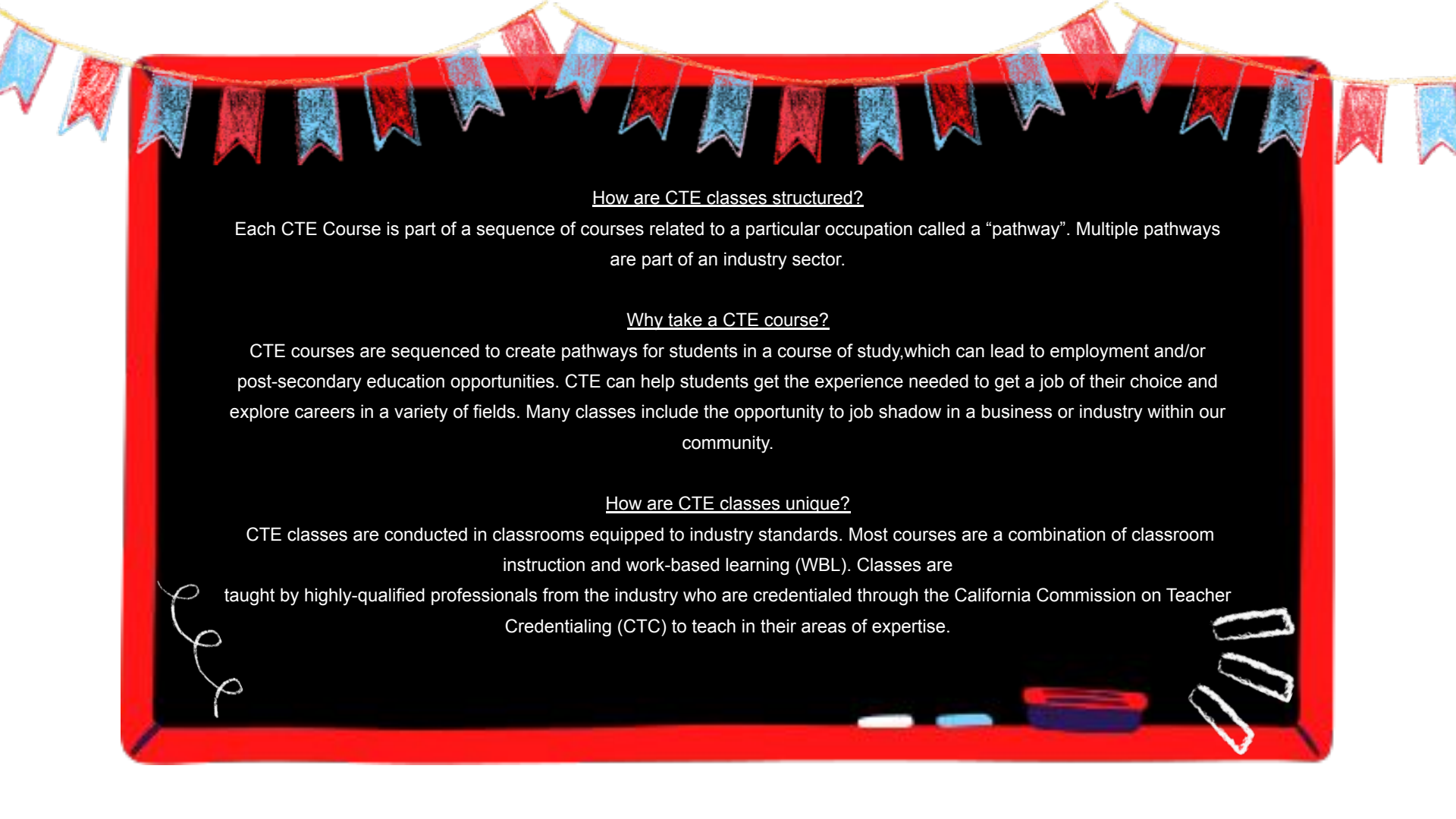
CTE Academies at North Salinas High School are designed to offer students the opportunity to integrate academic studies with a specific career. The focus or theme of each academy is incorporated throughout academic classes, including math, science, English and social studies as well as career technical education classes in a particular CTE pathway. Health Academy is available at North Salinas High School.

Credits applicable toward high school graduation can be earned each semester. Normally 10 credits per semester are awarded for each one hour long yearly class. CTE courses meet the Salinas Union High School District graduation requirements for vocational/career and technical education or elective. Some courses meet science or visual and performing arts credit. Most CTE courses meet A-G requirements.



## What is Career and Technical Education (CTE)?

Career and Technical Education is a program of study that involves a multiyear sequence of courses that integrate core academic knowledge with technical and occupational knowledge to provide students with a pathway to post secondary education and careers. Our courses teach high school students to succeed in careers and college in a professional, hands-on environment. Courses are offered within a variety of industry sectors where students can explore and develop technical skills that will lead them to higher education or into the workplace.



How are CTE classes structured?

Each CTE Course is part of a sequence of courses related to a particular occupation called a “pathway”. Multiple pathways are part of an industry sector.

Why take a CTE course?

CTE courses are sequenced to create pathways for students in a course of study, which can lead to employment and/or post-secondary education opportunities. CTE can help students get the experience needed to get a job of their choice and explore careers in a variety of fields. Many classes include the opportunity to job shadow in a business or industry within our community.

How are CTE classes unique?

CTE classes are conducted in classrooms equipped to industry standards. Most courses are a combination of classroom instruction and work-based learning (WBL). Classes are taught by highly-qualified professionals from the industry who are credentialed through the California Commission on Teacher Credentialing (CTC) to teach in their areas of expertise.

How does a student become a “Pathway Completer”?

A CTE Pathway “Completer” is a student who completes a CTE pathway sequence (concentrator and capstone courses within the same area of study) and passes the capstone course with a C- or better. Students should work with their Academic Counselor and Career Counselor to select the pathway that best meets their career interests.


Are CTE classes A-G Approved?

Yes. Most of our CTE courses are A-G approved.



Can I get a job after completing a CTE Pathway?

Yes. CTE courses are aligned to CTE Anchor Standards which reflect the expectations from business and industry and most offer entry level industry certifications. Students enrolled in CTE courses will master sector-specific core academic standards, communication skills, create a career and education plan, apply technology, utilize critical thinking, practice personal health, understand financial literacy, act as a responsible citizen, model integrity, ethical leadership and effective management, work productively in teams, demonstrate creativity and innovation, employ reliable research strategies and understand the environmental, social and economic impacts of decisions. Thus, students who complete a CTE Pathway are better prepared to obtain entry level employment after high school.



Registering for a CTE Course:

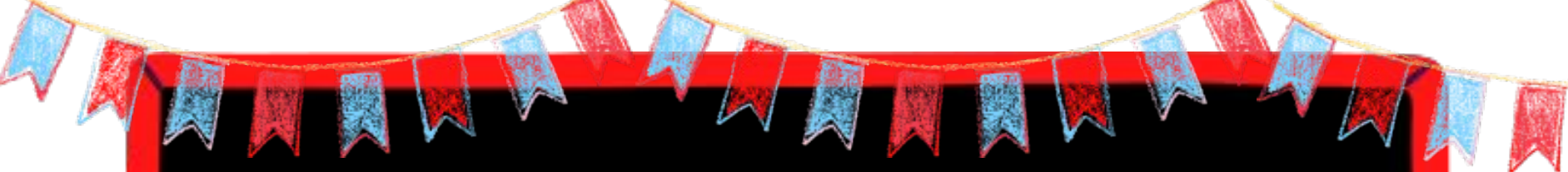
The College and Career Readiness Center at NSHS ensures that all students have college and career exploration opportunities. The College and Career Readiness Center is staffed by a Career Technician, Career Counselor and Work Experience Coordinator. Our Work Experience Coordinators assist students with work permits, community service and connecting Work Based Learning opportunities to CTE courses. Our Career Counselors are dedicated to guiding students in the selection of a CTE Pathway or academy that is aligned with their life goals. Career Counselors also monitor student success and guide students in selecting a post secondary institution of their choice. Students select their CTE courses side by side with the academic counselor during pre-registration every spring. For further information on college and career opportunities contact:

Career Counselor: Noel Noroian; [noel.noroian@salinasuhd.org](mailto:noel.noroian@salinasuhd.org)




Work Experience Coordinator: TBD

Career Technician: Adriana Padilla-Anaya; [adriana.padilla@salinasuhd.org](mailto:adriana.padilla@salinasuhd.org)





CTE Courses Offered at  
North Salinas  
High School



# Agriculture and Natural Resources Sector

## Agriculture Mechanics Pathway

Ag Mechanics 1/2: This course covers general equipment and shop safety practices, selection and use of hand and power tools, project planning with materials, oxy-acetylene and arc welding, basic concrete work, basic electrical wiring, and principles of carpentry.

Ag Mechanics 3/4: Instruction will prepare students to select, operate, repair, fabricate and maintain a variety of agricultural machinery and equipment (Prerequisite Ag Mech 1/2)



# Agriculture and Natural Resources Sector

## Animal Science Pathway

Animal Care 1/2: Provides students with training and skills for jobs related to livestock production and marketing. Includes 60 hours of group instruction with a minimum of one hour each calendar week.

Group instruction may include field trips and teacher supervised activity at the county fair. (Must be member of FFA)



# Agriculture and Natural Resources Sector

## Ornamental Horticulture Pathway

Art History Floral Design: Provides an introduction to artistic and creative perception including aesthetic valuing through a series of projects in various media including tempera, pencil, flower, tile and a variety of papers. Students are also introduced to the elements and principles of visual art design such as line, shape/form, color, balance, and emphasis using a series of floral-based projects to explore the connections, relations, and application to visual arts design.

Ag Business Floral Design: Teaches students how to make corsages and floral arrangements, including bridal bouquets and other specialty items. Growth and maintenance of ornamental flowers under greenhouse conditions will also be introduced.



# Agriculture and Natural Resources Sector

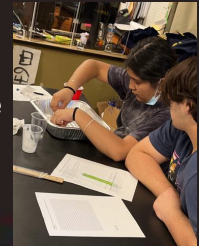
## Sustainable Agriculture Pathway



Biology and Sustainable Ag: A one-year course designed to integrate biological science practices and knowledge into the practice of sustainable agriculture.

Chemistry and Agriscience: This course explores the physical and chemical nature of soil as well as the relationship between soil, plants, animals, and agricultural practices. (Prerequisite Bio and Sustainable Ag)

Advanced Interdisciplinary Science: This integrated class combines an interdisciplinary approach to laboratory science and research with agricultural management principles. Using skills and principles learned in the course, students design systems and experiments to solve agricultural management issues currently facing the industry.

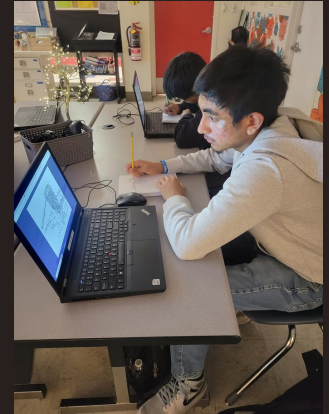


# Arts Media and Entertainment Sector

## Graphic Design Pathway

Art in the Digital Age: Explores the invention of lithography and photography, printing press, digital image and communication, the inventions of photography (starting with the camera obscura), and contemporary digital imagery and communication.

Graphic Design: Students learn computerized special effects, make professional posters, publish a newsletter, create computerized presentations, and make their own advertising video. (Prerequisite Art in the Digital Age)



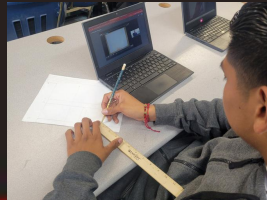
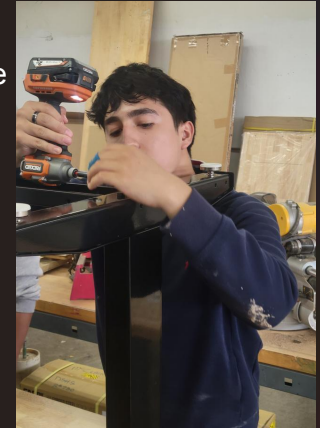
# Building and Construction Trades Sector

## Cabinetry, Millwork and Woodworking Pathway

Construction Technology 1/2: This course is open to all beginning students interested in the wood products pathway. The students will use a variety of woodworking tools to produce useful wood products. All machines will be introduced by teacher demonstrations, multimedia presentations and related student readings.

Construction Technology 3/4: Construction Technology 3-4 is the advanced course of this pathway. This course will study advanced phases of wood products, including furniture, and basic cabinet construction and sustainable building techniques. Students will learn advanced operational techniques of portable and stationary woodworking equipment, and the use of simple jigs and fixtures.

(Prerequisite: Construction Technology 1/2)



# Health Science and Medical Technology Sector

## Patient Care Pathway



Sports Medicine: Provides students with skills in the areas of physical therapy, athletic training, nutrition, and fitness. Students learn anatomy and physiology—various muscle groups, the skeletal system—proper exercise, care, and prevention and rehabilitation of athletic injuries, and training room organization.



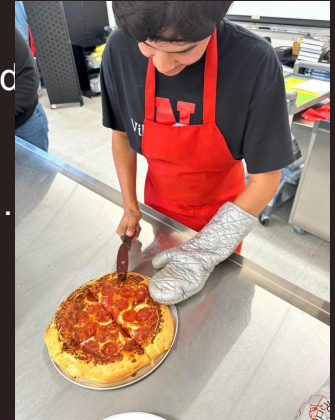
Sports Medicine Athletic Trainer: Students will learn anatomy and physiology, theories and methods of injury prevention and evaluation, pain management and rehabilitation, the body's chemical response to pharmaceutical agents, disease and injury.  
(Prerequisite Sports Medicine)



# Hospitality, Tourism and Recreation Sector

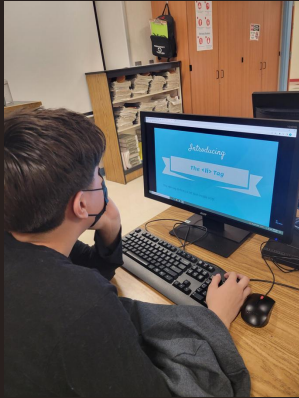
## Food Service and Hospitality Pathway

Restaurant Careers: This course provides hands-on training and experience in entry-level food service through the on-site restaurant classroom. Students learn food service competencies, like knowledge of safe practices, proper food handling and storage, proper hygiene and acceptable attire, proper cleaning procedures and methods of cooking. Students also learn personal, interpersonal, thinking and problem solving and communication skills.

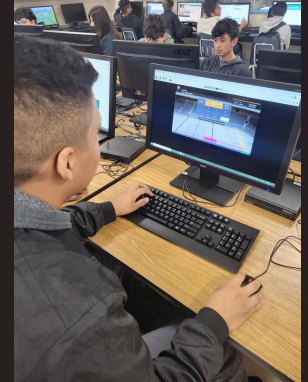


# Information and Community Technology Sector

## Software and Systems Development Pathway



Introduction to Computer Science: This course emphasizes the teaching of logic, design and developing an understanding of basic computer programming.



Computer Science II: This course continues to build students' computer science technical expertise. Students will design, implement and analyze solutions to problems through the development and use of algorithms, data structures and object-oriented programming. (Prerequisite Intro to Computer Science)



CTE Courses Offered at  
Mission Trails



ROP Center



# Education, Child Development and Family Services Sector

## Education Pathway

Careers in Education: Provides students with knowledge of career opportunities in the field of teaching and educational professions. Students are trained based on career preparation standards, including basic academic, safety and communication skills.

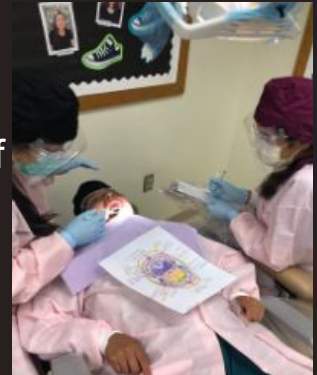


## Health Science and Medical Technology Sector

### Public and Community Health Pathway



Dental Careers: Students learn the science of dentistry, oral health, infection prevention, radiographic imaging. Students learn duties that may include preparing the patient for treatment, assisting the dentist in all procedures, recording of vital signs, processing and mounting radiographs, sterilizing instruments, dental terminology and basic laboratory procedures. The dental assistant may also assist in the front office by making appointments for patients, providing patient care, and related duties with minimal training in front office skills.



# Health Science and Medical Technology Sector

## Patient Care Pathway CPA

Medical Assistant- Upon completion of this course, students will be prepared for successful employment as a medical assistant in a back office setting or other related position through the medical office internship that students complete. Students also continue to aim for higher education towards pre- med, physician assistant, or any other medical career interest. Students will be exposed to both employment skills and critical thinking skills to develop the ability to adapt to the rapidly changing technological and social components of the workplace. Students will learn skills related to the patient intake process through the patients' check out, especially the clinical elements that are involved. Example skills learned are therapeutic communication, ethics, administrative procedures and medical billing and coding. Students participate in job shadowing at local clinics.



# Health Science and Medical Technology Sector

## Patient Care Pathway CPA

Foundations of Nursing: Prepares students for continuation into the C.N.A program and employment as a caregiver. Students learn the basic role and responsibilities, patient's legal rights and ethical conduct, patient observation, charting, rehabilitation and restorative care.



# Health Science and Medical Technology Sector Physical Therapy Pathway

Health Occupations: Prepares students for employment opportunities in the areas of diagnostic, supportive and therapeutic health services.

Students will learn communication skills, ethics, legalities, medical terminology, anatomy, physiology, vital signs, nutrition, body mechanics, patient observation, environmental and patient safety, and weights and measures. Students participate in job shadowing at local hospitals.





# Hospitality, Tourism and Recreation Sector Food Science and Nutrition Pathway

Advanced Culinary: Students will receive a culinary overview and orientation to the world of food science, the four areas of food science which are food production, food processing, food preparation, and the use of advancements in technology, which have impacted the food industry today. Prerequisite  
Restaurant Careers



# Manufacturing and Product Development Sector

## Welding and Materials Joining Pathway

Industrial Welding and Metal Fabrication: Students learn to read blueprints, interpret welding symbols, cut metal and weld metal. Welding training is offered in shield metal (stick), mig, tig. Metal cutting training includes plasma arc cutting.

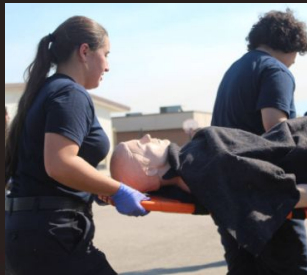


# Public Service Sector Emergency Response Pathways

Emergency Medical Response: Students will be introduced to all the major areas of study in emergency medical service systems from the perspective of an EMR. Certifications offered:

First Aid, CPR

Emergency Medical Technician: This course prepares students to take and pass the State of California EMT certification test. Students will learn all phases of basic life support and emergency medical services.

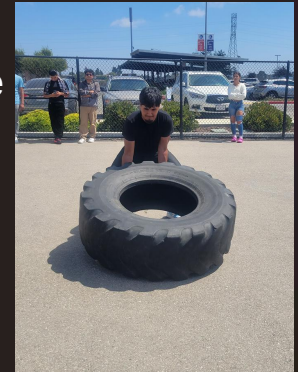


# Public Services Sector

## Emergency Response Pathways

Introduction to Firefighter: Students will learn basic firefighter theory and skills. Topics covered will include fire science, agency organization, regulations, and functions, firefighter safety, characteristics and behavior of fire and fire prevention and control.

Fire Science Technology: Students will learn basic firefighter theory skills. Topics covered will include fire science, agency organization, regulations and functions, firefighter safety, characteristics and behavior of fire and fire prevention and control.



# Transportation Sector

## Systems Diagnostics, Service and Repair Pathway

Auto Service: Students are introduced to automobile service and repair, shop safety, engine repair, automatic transmissions and transaxles, manual drivetrain and axles, suspension and steering, brakes, electrical and electronic systems, heating and air conditioning, and engine performance. After completion of this course, students will be prepared for majors in automotive systems and repairs at college and for an entry level position in today's automotive services industry.



## Transportation Sector

### Systems Diagnostics, Service and Repair Pathway

Engine Maintenance and Repair: Students learn maintenance skills in minor repairs, engine performance, troubleshooting electrical repairs, steering repairs and general lubrication services. Safety operation training in forklift and tractors is included.



## Marketing and Sales Service Sector

### Retail Co-Op

Retail Co-Op: This course meets one of the following graduation requirements: vocational education or elective or VAPA. (Prerequisite: Retail Sales & Marketing) Credits: 20. Provides a unique combination of related classroom instruction and “on-the-job” training. For students 16 years or older who are working in one of the above areas and would like to earn up to 10 credits for the semester.

All students must attend one class per week.



# Student Testimonials





# What is your favorite part about taking an ROP Course?

My favorite part about taking an ROP Course is the hands-on assignments we do and learning more about career paths.



-Beauty c/of 2025

My favorite part about taking an ROP course is the new things I learn and get to do, as well as how challenging it is.

-Illiana, c/of 2026

Your always doing something and it's very interactive.



-Kingston, c/of 2025

My favorite part of taking an ROP course is having a more hands on experience. I get a better idea of what a certain career could look like in the future and if it's something that I could envision for myself.

-Zeana, c/of 2026



# What piece of advice would you give future ROP students?

My advice would be to go for it. Although the idea of not knowing is intimidating take the initiative and challenge yourself. Do something that you're interested in because you only have so much time before you're ready to start a new chapter in your life. Yes, there will be times of stress but there will be times of joy, you just have to stick with it and towards the end you'll be happy with yourself for taking the course.

-Alison c/of 2024



Focus because these courses can give you an idea of what you want to do in the future. I love my ROP class. My teacher makes my class fun and interesting and I hope people who are taking ROP also have fun with their teachers.

-Illiana, c/of 2026

# What makes ROP courses unique?

ROP courses are unique because it gives students the opportunity to be hands on in a specific area of study, provides an opportunity for students to explore different varieties of careers and you get to learn more about the field that you might be interested.



-Isabella c/of 2024

Courses take you away from school subjects into real life job experiences.

-Isaac, c/of 2024

ROP is unique due to having different opportunities for different career paths

-Priscilla, c/of 2025



The teachers and students make ROP unique. Each class is different. In every class there is a person that makes the class fun.

-Anahi, c/of 2026