



CAREER & TECHNICAL EDUCATION

Career & Technical Education



**Before anything else,
preparation is the
key to success.**

**— ALEXANDER
GRAHAM BELL**

INDUSTRY *Certifications* THROUGH CTE HELP *Develop* FUTURE LEADERS

All YUHSD CTE students have the opportunity to earn industry certifications. In today's competitive job market, having a certification that verifies technical skills can be the key to landing a career.

An industry-recognized credential shows that a student meets the technical requirements for a job. Employers often use these credentials to assess applicants, and they can also lead to higher wages.

While some certifications require additional training and preparation, students are fully supported through the process with more than 4,000 YUHSD students earning certifications each year.

"In my CTE courses, I've earned certifications like OSHA-10, Snap-On 525F Digital Multimeter, and Google IT Support," Gila Ridge High School CTE student Eduardo Vidrio said. "These credentials will showcase to future employers that I'm qualified for the position."

"Certifications are available for every student in our CTE programs," YUHSD CTE Executive Director Lorie Honeycutt said. "We make sure they are ready by equipping them with the technical knowledge and hands-on experience they need."

Teachers are required to be certified as well so they can train students to pass exams and meet industry expectations. Part of this even

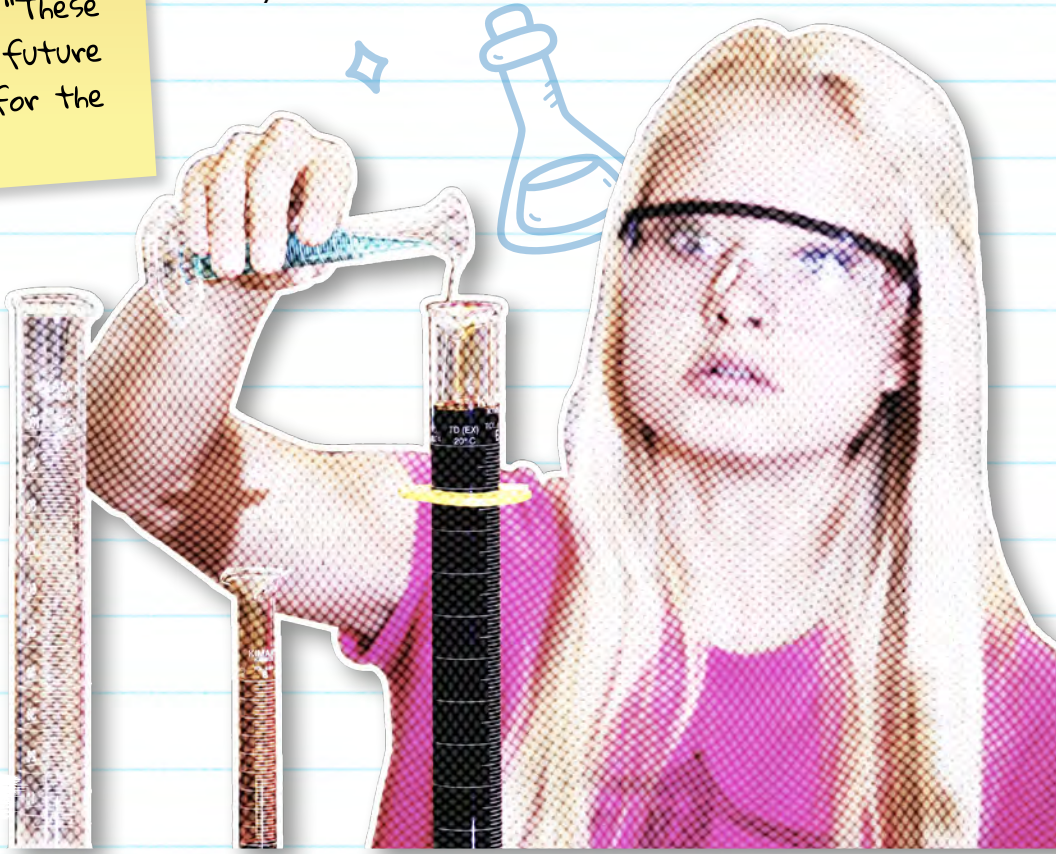
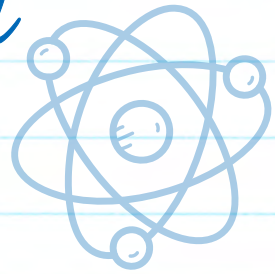
includes consistently updating lab equipment and space at YUHSD schools to ensure that students are being trained on industry-standard equipment and facilities.

YUHSD regularly updates its curriculum and certifications to match industry needs. By working with Industry Advisory Boards, the district ensures its students remain competitive in the job market.

YUHSD's commitment to offering industry certifications ensures that CTE students graduate with credentials that make them highly employable. From welding to IT, these certifications prepare them for the workforce or further education, ensuring a bright future ahead.

Get a Headstart on your future career **TODAY!**

For more information on CTE industry certifications, contact your CTE advisor or your counselor.



Districtwide CTE Program Offerings

AUDIO & VISUAL SERVICES

FILM & TV



DIGITAL PHOTOGRAPHY



STAGECRAFT



BUSINESS SERVICES

BUSINESS MANAGEMENT



HOSPITALITY MANAGEMENT



OUTDOOR LEADERSHIP



HEALTH SERVICES

BIOMEDICAL TECHNOLOGY



MEDICAL ASSISTING SERVICES



HEALTH AIDE



MENTAL & SOCIAL HEALTH SERVICES



PHARMACY SUPPORT SERVICES



SPORTS MEDICINE & REHABILITATION



NURSING SERVICES



IT & STEM SERVICES

AGRISCIENCE



ENGINEERING



IT ESSENTIALS



CYBERSECURITY



sUAS DRONES



HUMAN SERVICES

AESTHETICS



ARMY JROTC



EDUCATION PROFESSIONS



MARINE CORPS JROTC



EARLY CHILDHOOD EDUCATION



CULINARY ARTS



FIREFIGHTING & EMERGENCY MEDICAL SERVICES



LAW & PUBLIC SAFETY



INDUSTRIAL SERVICES

AUTOMOTIVE TECHNOLOGIES



BUILDING MAINTENANCE



CONSTRUCTION TECHNOLOGIES



WELDING TECHNOLOGIES





AESTHETICS

An Aesthetics program trains individuals to become skilled skincare professionals by providing them with theoretical knowledge and practical abilities in areas like waxing, makeup application, facial treatments, and general spa industry practices; with a strong emphasis on learning techniques like skin analysis, deep cleansing, exfoliation, advanced treatments like dermaplaning and peels, and various body treatments, all with a focus on hands-on practice.

Courses

Aesthetics I Aesthetics Work-Based
Aesthetics II Learning

College Credits

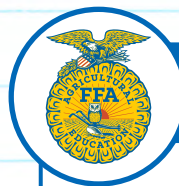
PENDING

Industry Credentials

OSHA 10 Cosmetology
Arizona Aesthetician License

Career & Technical Student Organization

SkillsUSA



AGRISCIENCE

The Agriscience program serves as a vital educational platform for students aspiring to enter the agricultural industry. It provides a comprehensive foundation in the scientific and technical skills essential for success in various agricultural fields. Agriscience program goes beyond technical skills by fostering leadership qualities among its students. Involvement in FFA provides invaluable opportunities for students to develop essential life skills such as teamwork, communication, and problem-solving.

Courses

Agriscience I Ag Mechanics & Drones
Agriscience II-III Ag Work Experience
Agribusiness

Academic Credit

2 Science Credits .5 Economics Credit

College Credits

AWC ANS100 Animal Industries
AWC AGB230 Agricultural Business
Management
AWC AGS170 Basic Tractor Operations & Safety

Industry Credentials

OSHA 10 Agriculture
BASF Plant Science Certification
Elanco Fundamentals of Animal Science
Certification

Career & Technical Student Organization

FFA



JOB-READY SKILLS

Students learn technical skills that are valuable in the workforce, such as operating equipment, understanding industry-specific software, and completing relevant tasks.



AUTOMOTIVE TECHNOLOGY

Our automotive technology program is designed to cultivate essential safety habits and practical skills required by the industry. Students gain hands-on experience across a broad spectrum of automotive technology, including electrical systems, mechanical components, hydraulic systems, and high-performance areas.

The program emphasizes real-world application and networking, allowing students to engage with industry leaders through job facility tours, classroom visits, career fairs, and competitive events. This approach ensures that students not only develop technical expertise but also build valuable professional connections in the automotive field. Students also develop leadership and technical skills through involvement in SkillsUSA.

Courses

Automotive Technology I
Automotive Technology II & III
Automotive Technology IV & Internship

Academic Credit

1 Math Credit

College Credits

AWC AUT100 Basic Service & Systems

Industry Credentials

NC3 Snap-On Multimeter
ASE Certification Auto Maintenance & Light Repair, A1-A8; AST; G1

Career & Technical Student Organization

SkillsUSA



BIOMEDICAL TECHNOLOGY

The Biomedical Technology course provides an in-depth exploration of the intersection between healthcare and technological innovation. Students will engage with case studies that highlight the impact of biomedical technology on patient care and clinical outcomes.

Through a combination of lectures, hands-on laboratory work, and collaborative projects, participants will develop critical skills in problem-solving, design thinking, and regulatory considerations related to the development and implementation of biomedical technologies.

By the end of the course, students will be equipped with the knowledge necessary to navigate the rapidly evolving landscape of biomedical technology and contribute to innovations that enhance healthcare delivery and improve patient outcomes.

Courses

Biomedical Technology I
Biomedical Technology II
Biomedical Technology III
Biomedical Technology Work-Based Learning

Academic Credit

1 Science Credit

College Credits

UA MCB 101 Biosciences I
UA MCB 102 Biosciences II

Industry Credentials

OSHA 10 Healthcare
Biotechnician Assistant Credential [BACE]

Career & Technical Student Organization

HOSA—Future Health Professionals



BUILDING MAINTENANCE

This comprehensive course on Building Maintenance is designed to equip participants with the essential skills and knowledge required to effectively manage and maintain various types of buildings. Covering a wide range of topics, the curriculum emphasizes the importance of preventive maintenance, safety protocols, and efficient resource management. Participants will explore fundamental concepts such as plumbing, electrical systems, and structural integrity. The course also addresses the significance of regular inspections, troubleshooting techniques, and emergency response strategies to ensure optimal building performance.

Through a combination of theoretical knowledge and practical applications, students will gain insights into industry best practices, regulatory compliance, and sustainability considerations. By the end of the course, participants will be prepared to implement effective maintenance programs, enhance the lifespan of building assets, and contribute to a safe and functional environment for occupants.

Ideal for facility managers, maintenance personnel, and aspiring professionals in the building management field, this course fosters a proactive approach to building maintenance and operational excellence.

Courses

Building Maintenance I
Building Maintenance II

Industry Credentials

OSHA 10 Construction
NCCER Core

Career & Technical Student Organization

SkillsUSA



BUSINESS MANAGEMENT

This comprehensive course provides students with a solid foundation in the principles and practices essential for effective organizational leadership and management. Covering key areas such as strategic planning, organizational behavior, human resource management, marketing strategies, and financial analysis, the course equips students with the skills necessary to navigate the complexities of today's business environment.

Students will engage in critical thinking and problem-solving exercises, analyzing real-world case studies to understand the dynamics of decision-making within various organizational contexts. Emphasis will be placed on developing effective communication and interpersonal skills, which are vital for fostering teamwork and collaboration.

Through interactive lectures, group discussions, and practical projects, participants will gain insights into current trends and challenges in the business landscape, including globalization, technological advancements, and ethical considerations. By the end of the course, students will be prepared to apply their knowledge in real-world scenarios, making informed decisions that drive organizational success.

Courses

Business Management I
Business Management II
Business Management Work-Based Learning

Academic Credit

.5 Economics Credit

College Credits

AWC BUA 100 Survey of Business
AWC ENT 240 Business Plan Development

Industry Credentials

RISE Up—Retail Industry Fundamentals
RISE Up—Customer Service & Sales

Career & Technical Student Organization

Future Business Leaders of America-FBLA

Learn More With Our
CTSO Feature
on pg. 18



CONSTRUCTION TECHNOLOGIES

This course provides an in-depth exploration of the latest technologies and methodologies employed in the construction industry. Students will examine innovative practices, tools, and materials that enhance efficiency, safety, and sustainability in construction projects. Key topics include Building Information Modeling (BIM), modular construction, advanced materials, automation, and the integration of renewable energy systems.

Through a combination of theoretical knowledge and practical applications, participants will analyze case studies and engage in hands-on projects to develop a comprehensive understanding of contemporary construction technologies. The course also emphasizes the importance of project management and collaboration among various stakeholders in the construction process.

By the end of this course, students will be equipped with the skills and knowledge necessary to implement cutting-edge technologies in real-world construction scenarios, positioning themselves as forward-thinking professionals in the evolving landscape of the construction industry.

Courses

Construction I
Construction II & III
Construction IV & Internship
Construction Work-Based Learning

Academic Credit

1 Math Credit

College Credits

AWC TEC 100 Core Curriculum Introductory Craft Skills
AWC CTM 123-124 Building Construction & Methods

Industry Credentials

OSHA10 Construction
NCCER Core Curriculum
NCCER Construction Technology

Career & Technical Student Organization

SkillsUSA



CULINARY ARTS

The Culinary Arts program offers a comprehensive exploration of the culinary profession, equipping students with the essential skills and knowledge required to excel in the dynamic food industry. This course covers a wide range of topics, including fundamental cooking techniques, food safety and sanitation, nutrition, menu planning, and the art of presentation.

Students will engage in hands-on training in modern kitchens, where they will learn to prepare a variety of cuisines and dishes, emphasizing both traditional and contemporary methods. The curriculum also includes an introduction to bakery and pastry arts, enabling students to develop a well-rounded skill set.

In addition to practical cooking skills, the program emphasizes the importance of creativity, teamwork, and effective communication within a kitchen environment. Students will have opportunities to participate in culinary competitions and real-world projects, fostering their ability to think critically and work under pressure.

By the end of the course, graduates will possess a strong foundation in culinary techniques, as well as an understanding of the business aspects of the food service industry, preparing them for various roles such as line cooks, pastry chefs, and catering managers. This program is ideal for individuals passionate about food and eager to pursue a successful career in culinary arts.

Courses

Culinary Arts I
Culinary Arts II & III
Culinary Arts IV & Internship
Culinary Work-Based Learning

College Credits

AWC CUL 141 Basic Food Selections, Preparation & Garde Manger
AWC CUL 143 ServSafe & Sanitation
AWC CUL 144 Menu Planning

Industry Credentials

OSHA10 Culinary
Food Protection Manager Certification

Career & Technical Student Organization

Family, Career & Community Leaders of America—FCCLA

This program provides a comprehensive overview of networking security principles and practices essential for safeguarding information systems. Participants will explore the fundamental concepts of cybersecurity, including risk assessment, threat identification, and vulnerability management. The curriculum covers key topics such as firewalls, intrusion detection systems, encryption techniques, and secure network design.

Through a combination of theoretical knowledge and practical applications, students will learn to implement security measures that protect networks from unauthorized access, data breaches, and other cyber threats. Case studies and real-world scenarios will be utilized to enhance understanding and facilitate problem-solving skills.

By the end of the course, participants will have gained the expertise necessary to develop and manage effective security strategies, ensuring the integrity, confidentiality, and availability of network resources in an increasingly complex digital landscape. This course is ideal for IT professionals, network administrators, and anyone seeking to advance their knowledge in the field of cybersecurity.

Courses

Cybersecurity I
Cybersecurity II
Cybersecurity Work-Based Learning

College Credits

PENDING

Industry Credentials

PENDING

Career & Technical Student Organization

SkillsUSA or
Future Business Leaders of America-FBLA

This comprehensive course on Digital Photography is designed for individuals seeking to enhance their photographic skills and artistic vision in the digital realm. Participants will explore the fundamental principles of photography, including exposure, composition, lighting, and post-processing techniques. Through a combination of theoretical instruction and practical assignments, students will gain hands-on experience with various digital cameras and editing software.

Key topics covered in this course include:

- Understanding camera settings & functions
- Mastering composition & framing techniques
- Exploring natural & artificial lighting
- Developing skills in photo editing & retouching
- Creating a personal portfolio that reflects individual style

By the end of the course, students will possess a solid foundation in digital photography, enabling them to capture compelling images and express their creativity with confidence. This course is suitable for beginners as well as those looking to refine their existing skills.

Courses

Digital Photography I
Digital Photography II
Digital Photography III
Digital Photography Work-Based Learning

College Credits

AWC ART 177 Digital Photography I
AWC ART 178 Digital

Industry Credentials

ACP - *Visual Design Using Photoshop*

Career & Technical Student Organization

Future Business Leaders of America-FBLA
or SkillsUSA



EARLY CHILDHOOD EDUCATION

This program provides a comprehensive overview of early childhood education, focusing on the developmental, educational, and psychological aspects that influence young children’s learning experiences from birth to age eight. Participants will explore key theories of child development, effective teaching strategies, and the importance of creating inclusive and supportive learning environments.

The curriculum emphasizes hands-on learning with children, encouraging educators to design and implement age-appropriate activities that foster cognitive, social, emotional, and physical development. Course topics include the role of play in learning, assessment methods for young children, family engagement, and culturally responsive practices.

Through collaborative projects, case studies, and practical applications, students will gain the skills necessary to create enriching educational experiences that promote holistic growth and lifelong learning in early childhood settings. This course is ideal for aspiring educators, childcare providers, and anyone interested in understanding the foundational principles of early childhood education.

Courses

Early Childhood Education I
Early Childhood Education II
Early Childhood Education III
Early Childhood Work-Based Learning

College Credits

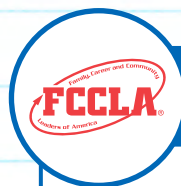
AWC EDU 110 Introduction to Education

Industry Credentials

First Aid, CPR & AED
Bloodborne Pathogens
Food Handlers Card
Mandatory Reporting Child Abuse & Neglect
Paraprofessional Exam
CDA-Child Development Associate Credential

Career & Technical Student Organization

Family, Career & Community Leaders of America—FCCLA



EDUCATION PROFESSIONS

This course provides an in-depth exploration of the various career pathways within the education sector, focusing on the roles, responsibilities, and impact of education professionals. Students will engage with key concepts such as educational theory, instructional design, classroom management, and assessment strategies. The curriculum emphasizes the importance of pedagogical practices, ethical considerations, and the evolving landscape of education, including the integration of technology and inclusive teaching methods.

Participants will examine case studies and real-world scenarios to develop critical thinking and problem-solving skills relevant to the field. Additionally, the course will cover essential topics such as educational policy, leadership in education, and professional development opportunities. By the end of the course, students will possess a comprehensive understanding of the diverse roles within education, empowering them to make informed decisions about their future careers in this vital profession.

Courses

Education Professions I
Education Professions II
Education Professions Work Based Learning

College Credits

AWC EDU 110 Introduction to Education
AWC EDU 200 Lesson Planning
AWC EDU 207 Education Practicum
AWC EDU 222 Introduction to Special Education

Industry Credentials

First Aid, CPR & AED
Paraprofessional Exam
Child Find

Career & Technical Student Organization

Family, Career & Community Leaders of America—FCCLA

This program provides a comprehensive overview of the principles and practices of Emergency Medical Services (EMS). Designed for aspiring EMS professionals, the curriculum covers essential topics such as patient assessment, emergency response protocols, trauma care, medical emergencies, and advanced life support techniques. Students will engage in hands-on training sessions, simulations, and scenario-based learning to develop critical thinking and decision-making skills in high-pressure environments.

Key components of the course include:

- **Introduction to EMS Systems:** Understanding the structure, roles, and responsibilities within the EMS framework.
- **Patient Assessment:** Techniques for conducting thorough evaluations to identify medical conditions and prioritize care.
- **Trauma and Medical Emergencies:** In-depth study of common emergencies, including cardiac arrest, respiratory distress, and traumatic injuries.
- **Advanced Life Support:** Training in advanced interventions, including airway management, pharmacology, and defibrillation.
- **Legal and Ethical Considerations:** Overview of the legal responsibilities and ethical dilemmas faced by EMS professionals.

Upon completion, students will be equipped with the knowledge and skills necessary to provide effective pre-hospital care and respond confidently to emergency situations. This course is ideal for those seeking certification or advancement within the field of Emergency Medical Services.

Courses

Emergency Medical Services I
 Emergency Medical Services II
 Emergency Medical Services Work-Based Learning

College Credits

AWC EDM 101 Introduction to Emergency Management
 AWC EMS 150 Emergency Care

Industry Credentials

OSHA 10 Healthcare
 First Aid, CPR & AED
 Emergency Medical Responder

Career & Technical Student Organization

HOSA—Future Health Professionals

The Engineering program offers a comprehensive exploration of the principles, practices, and applications of engineering across various disciplines. This program is designed to equip students with a solid foundation in the fundamental concepts of mathematics, physics, and materials science, essential for problem-solving and innovation in engineering.

Students will engage in hands-on projects, collaborative work, and case studies that emphasize critical thinking and creativity. The curriculum covers key areas such as mechanical, electrical, civil, and chemical engineering, providing insights into design processes, systems analysis, and project management.

Throughout the program, students will develop essential skills in technical communication, teamwork, and ethical considerations in engineering practice. By the end of the program, participants will be prepared to tackle real-world challenges, contribute to technological advancements, and pursue further studies or careers in a diverse range of engineering fields.

This program aims to foster a deep understanding of how engineering impacts society and the environment, encouraging students to become responsible and innovative engineers of the future.

Courses

Engineering I
 Engineering II
 Engineering III
 Engineering Work-Based Learning

Academic Credit

1 Math Credit 1 Science Credit

College Credits

AWC EGR 188 Fundamentals of Engineering Design
 UA ENGR 102 Introduction to Engineering Design

Industry Credentials

OSHA 10 General
 NC3 National Coalition of Certification-Multimeter Certified SolidWorks Associate (CSWA)
 Autodesk Certified User-Auto CAD
 Smart Automation Certification Alliance (SACA)
 Certified Industry Associate Level 1

Career & Technical Student Organization

SkillsUSA

YUHSD DEVELOPING STUDENT LEADERS ONE CTSO AT A TIME

Every student that participates in a Career & Technical Education (CTE) class has the opportunity to gain leadership skills. CTE leadership is an opportunity for students to grow through **collaboration**, **teamwork**, and **communication**. Being involved in CTE leadership allows students to participate in conferences, expositions, training opportunities, and represent YUHSD as well as their own campus in state and national settings.

CTE students are required to take part in the **Career and Technical Student Organizations (CTSO)** that are directly related to their program. **DECA**, **FBLA**, **FFA**, **FCCLA**, **HOSA** and **SkillsUSA** are recognized as integral parts of the CTE programs and provide career and leadership development, motivation, and recognition. In addition, these organizations provide students with the opportunity to compete at the local, regional, state, and national levels.

How Can Students Get Into CTE Leadership? **Level one** CTE students have the opportunity to become part of **Courtesy Corps**, which is a program where students are trained to greet guests as they enter their classrooms, answer questions and discuss class objectives. **Level two** students can become **CTE Ambassadors** and **level three** students can become **CTE Leaders**. Both of these roles are involved in representing CTE, participating in leadership opportunities, engaging with different people, assisting with activities and events, and more. **Students must fill out an application and interview for these positions.**

What Skills Does Leadership Teach in CTE? The skills that leaders develop and teach others are the **17 essential elements** of the **SkillsUSA Framework** which will empower students



“CTE leadership has helped me by knowing and helping me find things that I enjoy,” CTE Ambassador Alexa Flores said. “I enjoy being in leadership because it has taught me many skills that could help me in the future. One skill is social skills which I have improved by getting to interact with people from around the world. These skills and opportunities will help me in the future by preparing me for the real world and the workplace.”

to become skilled professionals, career-ready leaders, and responsible community members. These skills include: integrity, work ethic, professionalism, responsibility, adaptability/flexibility, self-motivation, communication, decision making, teamwork, multicultural sensitivity and awareness, planning, organizing, and management, leadership, computer and technology literacy, job-specific skills, safety and health, service orientation, and professional development.



This program provides a comprehensive overview of the principles and practices of film and television production. Students will explore the entire production process, from pre-production planning and script development to shooting, editing, and post-production. Emphasis will be placed on the collaborative nature of production, highlighting the roles and responsibilities of various team members including directors, producers, cinematographers, and editors.

Through hands-on projects and industry-standard tools, participants will gain practical experience in camera operation, sound design, lighting techniques, and editing software. The course will also cover critical topics such as budgeting, scheduling, and legal considerations in production, preparing students for real-world challenges in the industry.

By the end of the course, students will have developed a solid foundation in film and television production, enabling them to produce their own short films or television segments and prepare for further study or careers in the entertainment industry.

Courses

Film & TV Production I
 Film & TV Production II
 Film & TV Production III
 Film & TV Production Work-Based Learning

College Credits

AWC TVP 125 Television Production I
 AWC TVP 225 Television Production II

Industry Credentials

ACP - Digital Video Using Adobe Premiere Pro
 Final Cut Pro Certified

Career & Technical Student Organization

SkillsUSA

This comprehensive program is designed to equip students with the essential skills and knowledge required to excel as a Direct Care Worker. Participants will learn about the roles and responsibilities of a DCW, focusing on providing compassionate care to individuals in their homes or in a facility. The curriculum covers vital topics such as personal care assistance, basic health monitoring, nutrition, and effective communication with clients and their families.

Students will gain hands-on experience through practical training sessions, where they will practice skills such as bathing, grooming, mobility assistance, and medication reminders. Additionally, the course emphasizes the importance of understanding clients' emotional and psychological needs, promoting dignity and respect in every interaction.

Upon completion of this course, graduates will be well-prepared to support clients with various health conditions, ensuring their safety and well-being while fostering independence in the comfort of their own homes. Successful participants will earn the DCW certification, qualifying them for entry-level positions in the growing field of home health care.

Courses

Health Aide I
 Health Aide II
 Health Aide Work-Based Learning

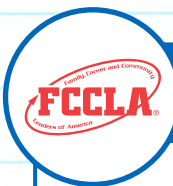
Industry Credentials

Basic Life Support for the Healthcare Provider
Direct Care Worker Certification—DCW
Article 9 Certification

Career & Technical Student Organization

HOSA—Future Health Professionals

**Take the Leap from
 Classroom to Career With
 Work-Based Learning!**
Read More on pg. 26



HOSPITALITY MANAGEMENT

This comprehensive program in Hospitality Management is designed to equip students with the essential skills and knowledge required to excel in the dynamic hospitality industry. Covering a broad range of topics, the curriculum includes principles of hotel and restaurant management, customer service excellence, operations management, marketing strategies, and financial acumen specific to the hospitality sector.

Students will engage in practical applications through case studies, simulations, and hands-on projects, fostering an understanding of real-world challenges and opportunities within the field. Emphasis will be placed on developing leadership qualities, effective communication, and strategic decision-making capabilities.

Additionally, the course will explore current trends and innovations in hospitality, such as sustainability practices, digital transformation, and the impact of global events on the industry. By the end of the program, students will be prepared to pursue careers in various sectors, including hotels, resorts, restaurants, and event planning, armed with the expertise to thrive in this ever-evolving landscape.

Courses

Hospitality Management I
Hospitality Management II
Hospitality Management Work-Based Learning

Academic Credit

.5 Economics Credits

College Credits

AWC HRM 100 Introduction to Hospitality Industry

Industry Credentials

Food Handlers Certificate
Certified Restaurant Server

Career & Technical Student Organization

Family, Career & Community Leaders of America—FCCLA



IT ESSENTIALS

This program provides a comprehensive exploration of software and application design principles, methodologies, and best practices. Students will gain an understanding of the entire software development lifecycle, from initial concept and user research through to design, testing, and deployment. Emphasis will be placed on user-centered design, ensuring that applications are not only functional but also intuitive and engaging for users.

Participants will learn to employ various design tools and techniques, including wireframing, prototyping, and usability testing, to create effective user interfaces and experiences. The course will also cover essential programming concepts and frameworks relevant to app development, enabling students to translate their designs into functional software solutions.

Through hands-on projects and collaborative exercises, learners will develop critical problem-solving skills and the ability to work effectively in teams. By the end of the course, students will have a robust portfolio showcasing their design capabilities and a solid foundation for pursuing careers in software and app development.

This course is ideal for aspiring software developers, UX/UI designers, and anyone interested in the dynamic field of technology and design.

Courses

IT Essentials I
IT Essentials II
IT Essentials Work-Based Learning

Academic Credit

1 Math Credit

College Credits

AWC PIT 100 Technical Support Fundamentals
AWC PIT 101 Computer Networking
AWC PIT 102 Operating Systems
AWC PIT 103 System Administration
AWC PIT 104 IT Security & Google Certification

Industry Credentials

IT Security & Google Certification

Career & Technical Student Organization

SkillsUSA or
Future Business Leaders of America-FBLA



JROTC (ARMY)

Cadets in Army JROTC engage in various activities that enhance their leadership skills and understanding of military structure. They practice decision-making through simulated scenarios and real-life exercises, learning how to lead effectively in diverse situations. Team-building exercises help cadets learn the importance of collaboration, communication, and mutual support. By leading by example, cadets understand the significance of integrity, accountability, and dedication in a leadership role.

In addition to practical skills, JROTC emphasizes the importance of military traditions and customs, such as respect for authority, the significance of ceremonies, and the history of military service. This knowledge fosters a sense of discipline and respect, which are crucial in both military and civilian contexts. Leadership and employability skills are further developed through participation in JROTC events and training exercises.

Courses

Army JROTC I Army JROTC III
Army JROTC II Army JROTC IV

Academic Credit

.5 Health Credit
1 Physical Education Credit

College Credits

PENDING

Industry Credentials

JROTC Leadership and Employability Skills

Career & Technical Student Organization

U.S Army JROTC



JROTC (MARINE CORPS)

The Marine Corps Junior Reserve Officers' Training Corps (JROTC) program is designed to develop informed and engaged citizens through a comprehensive curriculum that emphasizes leadership, discipline, and personal responsibility. This course offers students the opportunity to explore the fundamentals of military training and operations while fostering essential life skills such as teamwork, communication, and critical thinking.

Throughout the program, students will engage in various activities, including physical fitness training, drill and ceremony, and community service projects. The curriculum also covers topics such as military history, customs and courtesies, first aid, and citizenship, providing a well-rounded understanding of the role of the Marine Corps and its impact on society.

Participants will enhance their leadership abilities through hands-on experiences and mentorship opportunities, preparing them for success in both academic and professional endeavors. By instilling values such as honor, courage, and commitment, the Marine Corps JROTC program aims to inspire students to become responsible citizens and future leaders in their communities.

Courses

Marine Corps JROTC I Marine Corps JROTC III
Marine Corps JROTC II Marine Corps JROTC IV

Academic Credit

.5 Health Credit
1 Physical Education Credit

College Credits

AWC MGT 135 Management Fundamentals
AWC MGT 280 Leadership

Industry Credentials

JROTC Leadership and Employability Skills

Career & Technical Student Organization

Marine Corps JROTC





LAW & PUBLIC SAFETY

This program provides a comprehensive overview of the legal principles and practices that govern public safety operations. Students will explore the foundational concepts of law enforcement, emergency management, and public safety protocols, emphasizing the role of law in maintaining societal order. Key topics include criminal law, civil rights, ethical considerations in law enforcement, and the interplay between local, state, and federal regulations.

Through case studies, simulations, and interactive discussions, students will gain insights into the challenges faced by public safety professionals, including crisis response, community policing, and the impact of legislation on public safety practices. The course also highlights the importance of collaboration among various stakeholders, including law enforcement agencies, emergency responders, and community organizations.

By the end of the course, students will have developed critical thinking skills necessary for analyzing legal issues within the context of public safety and will be prepared to engage effectively in discussions regarding policy development and implementation in the field. This course is ideal for those pursuing careers in law enforcement, emergency management, or related fields.

Courses

Law & Public Safety I
Law & Public Safety II
Law & Public Safety Work-Based Learning

College Credits

AWC AJS 101 Introduction to Administration of Justice
AWC AJS 230 Police Function
AWC AJS 240 Correction Function
AWC AJS 275 Criminal Investigation

Industry Credentials

First Aid, CPR and AED
Certified Crime Scene Management
Psychological First Aid
ICS Incident Command System FEMA
Certified Protection Officer

Career & Technical Student Organization

SkillsUSA



MEDICAL ASSISTING

This comprehensive course in Medical Assisting prepares students to become proficient healthcare professionals capable of supporting clinical and administrative functions within various medical settings. The curriculum encompasses essential topics such as medical terminology, anatomy and physiology, patient care techniques, and healthcare regulations.

Students will gain hands-on experience in clinical procedures, including taking vital signs, performing basic laboratory tests, and assisting with minor surgical procedures. Additionally, the course covers administrative responsibilities such as managing patient records, scheduling appointments, and understanding insurance billing processes.

Emphasizing both theoretical knowledge and practical skills, this program is designed to equip students with the competencies necessary to thrive in a dynamic healthcare environment. Upon completion, graduates will be well-prepared to take on roles in hospitals, clinics, and private practices, with a focus on delivering high-quality patient care and ensuring efficient office operations.

Courses

Medical Assisting I
Medical Assisting II
Medical Assisting Work Based Learning

College Credits

AWC AHE 101 Medical Terminology
AWC AHE 119 The Basics of Body Structure & Function
AWC MDA 120 Medical Office

Industry Credentials

OSHA 10 Healthcare
Basic Life Support for Healthcare Providers
Medical Assistant Certification (CCMA)

Career & Technical Student Organization

HOSA—Future Health Professionals

Looking for Early College Opportunities?



YUHSD offers dual and concurrent enrollment opportunities for students through partnerships with colleges and universities so that they can get ahead in their academics.

What is Dual Enrollment?

Dual enrollment lets high school students take college-level classes at their own high school and earn both high school and college credit. These classes give students a head start on college while staying in a familiar setting. Dual enrollment helps students explore new subjects, build skills, and prepare for future education and careers.

What is Concurrent Enrollment?

Concurrent enrollment lets students take courses directly through an in-state college or university, earning credit both at their high school and at the college.

How Can Students Take Advantage of These Opportunities?

Reach out to your school counselor for more information on how to get ahead with dual and concurrent enrollment.





MENTAL & SOCIAL HEALTH SERVICES

This program provides an in-depth exploration of mental and social services, focusing on the frameworks, theories, and practices that underpin effective support for individuals and communities. Students will examine the roles of various professionals in the mental health and social service fields, including counselors, social workers, and psychologists.

Key topics include mental health assessment, intervention strategies, crisis management, and the ethical considerations inherent in providing care. Emphasis will be placed on understanding diverse populations and the socio-cultural factors that influence mental health and well-being.

Through a combination of theoretical knowledge and practical applications, students will develop critical skills necessary for advocating for clients, navigating service systems, and implementing evidence-based practices. Case studies, role-playing exercises, and guest lectures from industry professionals will enhance learning and provide real-world context.

Upon completion, students will be equipped to pursue careers in various settings, including community organizations, healthcare facilities, and educational institutions, or to further their studies in related fields.

Courses

Mental & Social Health Services I
Mental & Social Health Services II
Mental & Social Health Services Work-Based Learning

College Credits

AWC PSY 101 - Introduction to Psychology/GE
AWC PSY 140 - Positive Psychology/GE
AWC PSY 238 - Human Development/GE

Industry Credentials

Article 9 Certification
Basic Life Support (BLS)
Psychological First Aid

Career & Technical Student Organization

HOSA—Future Health Professionals



NURSING SERVICES

This course provides a comprehensive overview of nursing services, focusing on the essential roles and responsibilities of nursing professionals in various healthcare settings. Students will explore the foundational principles of nursing practice, including patient care, health assessment, and the application of evidence-based interventions. Emphasis will be placed on the development of critical thinking skills, effective communication, and collaboration within interdisciplinary teams to enhance patient outcomes.

Participants will engage in theoretical discussions alongside practical applications, gaining insights into the ethical, legal, and cultural considerations that influence nursing services. The course will also cover the integration of technology in nursing practice and the importance of continuous professional development in adapting to the evolving healthcare landscape.

Through case studies, simulations, and clinical experiences, students will acquire the knowledge and skills necessary to provide high-quality nursing care and advocate for patients' needs. This course is designed for individuals pursuing a career in nursing or those seeking to deepen their understanding of nursing services in contemporary healthcare environments.

Courses

Nursing Services I
Nursing Services II/III
Nursing Internship

College Credits

AWC AHE 101 Medical Terminology

Industry Credentials

Basic Life Support for Healthcare Providers
Certified Nurse's Assistant [CNA] Certificate

Career & Technical Student Organization

HOSA—Future Health Professionals



OUTDOOR LEADERSHIP

This program is designed to equip participants with the essential skills and knowledge required for effective leadership in outdoor settings. Emphasizing practical experience and theoretical understanding, students will explore key concepts such as group dynamics, risk management, decision-making, and environmental stewardship.

Through hands-on activities, case studies, and reflective practices, participants will develop their ability to lead diverse groups in various outdoor environments, ensuring safety and fostering teamwork. The curriculum will cover topics including navigation, wilderness first aid, conflict resolution, and the principles of Leave No Trace.

By the end of the course, students will have refined their leadership style, enhanced their communication skills, and gained confidence in their ability to inspire and guide others in outdoor adventures. This course is ideal for aspiring outdoor educators, recreation professionals, and anyone looking to enhance their leadership capabilities in nature-based contexts.

Courses

Outdoor Leadership I
Outdoor Leadership II
Outdoor Leadership Work-Based Learning

College Credits

PENDING

Industry Credentials

PENDING

Career & Technical Student Organization

SkillsUSA



PHARMACY SUPPORT SERVICES

This program provides an in-depth exploration of pharmacy support services, focusing on the critical roles and responsibilities that support personnel play within the healthcare system. Participants will gain a comprehensive understanding of the functions of pharmacy technicians and assistants, including medication dispensing, inventory management, patient interaction, and adherence to regulatory standards.

Key topics include the various types of pharmacy settings—such as community pharmacies, hospitals, and long-term care facilities—and the unique challenges and opportunities each presents. Emphasis will be placed on effective communication skills, teamwork, and the importance of accurate documentation and record-keeping.

Through a combination of lectures, case studies, and hands-on activities, students will develop practical skills essential for delivering high-quality pharmacy support services. The course also addresses current trends in pharmacy practice, including the integration of technology and emerging roles in patient care.

By the end of this course, participants will be equipped with the knowledge and skills necessary to excel in pharmacy support roles, enhancing their contributions to patient safety and overall healthcare delivery.

Courses

Pharmacy Support Services I
Pharmacy Support Services II
Pharmacy Support Services Work-Based Learning

College Credits

PENDING

Industry Credentials

OSHA 10 for Healthcare Providers
Certified Pharmacy Technician (CPhT)

Career & Technical Student Organization

HOSA—Future Health Professionals

LEARN THE BENEFITS OF CTE

Course Correct
on pg. 29

WORK-BASED LEARNING

YUHSD's WBL program is shaping a generation of students who are both academically equipped & professionally ready.

In the rapidly evolving landscape of today's workforce, equipping students with the skills and knowledge they need to succeed is more crucial than ever. Yuma Union High School District leads the way by offering a robust work-based learning (WBL) program that seamlessly integrates classroom learning with real-world experience.

At the heart of YUHSD's work-based learning initiative is the belief that every student deserves the opportunity to explore career pathways, develop essential skills, and make informed decisions about their future. **The program serves approximately 7,000 students enrolled in Career and Technical Education (CTE) courses, all of whom participate in various WBL activities.** These activities range from career exploration and exposure to hands-on engagement and experience, ensuring that every student has the chance to connect their academic learning with practical applications in a professional environment.

"Work-based learning provides CTE students with essential real-world experiences that connect what they learn in the classroom with practical applications in the workforce," YUHSD's CTE Work-Based Learning Director Mariana Martinez Reynoso said, "By participating in internships, apprenticeships, and other hands-on opportunities, students gain valuable skills that enhance their understanding of their chosen fields and prepare them for successful careers."

The impact of this program is profound. With an average of 100 students enrolled in Diversified Cooperative Education (DCE) alone, and many more involved in internships, healthcare clinicals, agricultural experiences, and service-learning projects, YUHSD's WBL program is shaping a generation of students who are both academically equipped and professionally ready.

One of the standout features of the program is its comprehensive approach. Students are not merely exposed to the workforce; they are engaged in it. They participate in internships that provide a glimpse into

fields of interest, take part in clinicals that allow them to apply their skills in real healthcare settings, and join service-learning projects that emphasize the importance of community involvement. Through these experiences, students learn to navigate the professional world, from understanding workplace dynamics to honing their technical skills.



But the benefits of YUHSD's WBL program extend beyond the students themselves. The community also reaps the rewards of a program that is dedicated to developing a skilled, job-ready workforce. Local businesses and organizations that partner with YUHSD gain access to a pool of talented and motivated students who bring fresh perspectives and a strong work ethic. These partnerships help to strengthen the local economy and ensure that Yuma remains a vibrant and thriving community.

"Ultimately, by investing in work-based learning, we are creating pathways to opportunity and building a brighter future for everyone," Reynoso said.

YUHSD's WBL program stands out as a model of how schools can prepare students for the challenges and opportunities that lie ahead. By providing students with real-world experience, the program empowers them to take charge of their futures and become college, career, and community prepared.

This program provides an in-depth exploration of the principles and practices of sports medicine and rehabilitation. Designed for students pursuing careers in healthcare, fitness, and athletic training, the curriculum emphasizes the prevention, diagnosis, treatment, and rehabilitation of sports-related injuries.

Students will engage with topics such as anatomy and physiology related to athletic performance, injury assessment techniques, therapeutic modalities, and rehabilitation protocols. The course integrates theoretical knowledge with practical applications, enabling students to develop skills in evaluating and managing injuries in active individuals.

Through a combination of lectures, case studies, and hands-on workshops, participants will learn to design and implement effective rehabilitation programs tailored to individual needs. Ethical considerations, interdisciplinary collaboration, and the latest advancements in sports medicine will also be addressed, preparing students to contribute to the evolving field of sports health.

By the end of the course, students will possess a comprehensive understanding of sports medicine and rehabilitation services, equipping them to support athletes and active populations in achieving optimal recovery and performance.

Courses

Sports Medicine & Rehabilitation I
Sports Medicine & Rehabilitation II
Sports Medicine & Rehabilitation III

College Credits

AWC PEM 102 Emergency Procedures for Coaches
AWC PEM 202 Sports Injury Management
AWC PEM 207 Domains of Athletic Training
AWC PEM 208 Sports Injury Treatment
AWC EXW 101 Concepts of Kinesiology, & Physical Education
AWC EXW 212 Exercise Science

Industry Credentials

Basic Life Support for Healthcare Providers
OSHA 10 Healthcare
Certified Personal Trainer Certification
Emergency Medical Responder (EMR)

Career & Technical Student Organization

HOSA—Future Health Professionals

This comprehensive course in Stagecraft provides students with a foundational understanding of the essential techniques and principles involved in theatrical production. Covering key areas such as set design, lighting, sound, and stage management, students will engage in both theoretical discussions and practical applications.

Through hands-on projects and collaborative assignments, participants will learn to create effective staging solutions that enhance storytelling and audience engagement. The curriculum includes an exploration of industry-standard tools and technologies, enabling students to develop skills in drafting, model-making, and the operation of technical equipment.

Additionally, the course emphasizes the importance of teamwork and communication within the production process, equipping students with the collaborative skills necessary for success in the performing arts. By the end of the course, students will have gained valuable experience and a portfolio showcasing their work in stagecraft, preparing them for further studies or careers in theater production and related fields.

Courses

Stagecraft I
Stagecraft II
Stagecraft Work-Based Learning

College Credits

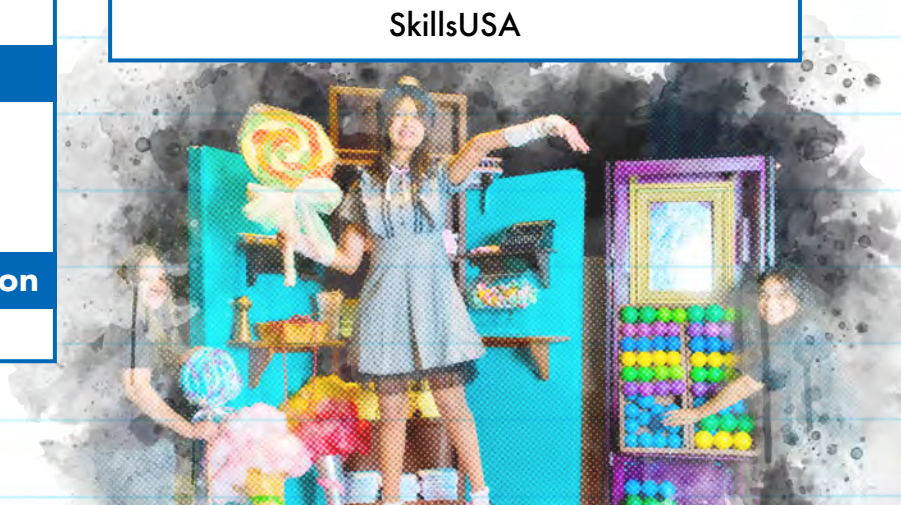
AWC THE 130 Stagecrafts
AWC THE 215 Basic Stage Lighting

Industry Credentials

OSHA 10 Construction

Career & Technical Student Organization

SkillsUSA



Courses often align with current industry standards, ensuring you learn skills that employers value.



sUAS DRONES

This comprehensive program provides an in-depth exploration of small Unmanned Aerial Systems (sUAS), commonly known as drones. Designed for professionals and enthusiasts alike, it covers the fundamental principles of drone technology, operation, and applications across various industries. Participants will gain a thorough understanding of the regulatory landscape governing sUAS use, including FAA regulations and safety protocols.

The curriculum encompasses technical aspects such as flight mechanics, navigation systems, and data acquisition techniques. Hands-on training will be emphasized, allowing students to operate drones effectively while adhering to best practices in safety and compliance. Additionally, the course will examine case studies demonstrating the transformative impact of sUAS in sectors such as agriculture, construction, real estate, and emergency response.

By the end of the course, participants will be equipped with the knowledge and skills necessary to operate sUAS proficiently and leverage their capabilities for professional applications, making them valuable assets in the evolving landscape of aerial technology.

Courses

sUAS Drones I
sUAS Drones II
sUAS Drones Work-Based Learning

College Credits

AWC UAS 101 Unmanned Aerial Systems Pilot Ground School

Industry Credentials

OSHA 10
FAA Part 107 Remote Pilot Certificate

Career & Technical Student Organization

SkillsUSA



WELDING TECHNOLOGIES

This comprehensive course on Welding Technologies provides an in-depth exploration of the principles, techniques, and applications of various welding processes. Designed for students and professionals seeking to enhance their skills in the welding industry, the curriculum covers fundamental concepts such as safety practices, material properties, and equipment operation.

Participants will gain hands-on experience with key welding methods, including MIG, TIG, and stick welding, while also examining advanced technologies like laser and robotic welding. Emphasis will be placed on understanding weld joint design, inspection, and testing procedures to ensure quality and integrity in welded structures.

Throughout the course, learners will engage in practical projects that simulate real-world scenarios, fostering problem-solving skills and technical proficiency. By the end of the program, students will be equipped with the knowledge and competencies necessary to excel in various welding applications, making them valuable assets in the manufacturing, construction, and automotive sectors.

Prerequisites include basic knowledge of metallurgy and engineering principles. This course is ideal for aspiring welders, fabricators, and engineers looking to advance their careers in welding technologies.

Courses

Welding I
Welding II & III
Welding IV & Internship
Welding Work-Based Learning

Academic Credit

1 Math Credit

College Credits

AWC WLD 104 Techniques in Flux Core Arc Welding
AWC WLD 105 Techniques in O/A Welding & Cutting
AWC WLD 106 Techniques in Shielded M/A Welding
AWC WLD 108 Techniques in Gas Tungsten Arc Welding
AWC WLD 109 Techniques in Gas Metal Arc Welding

Industry Credentials

OSHA 10
American Welding Society (AWS) D1.1 SMAW 1G
American Welding Society (AWS) D1.1 SMAW 2G
American Welding Society (AWS) D1.1 SMAW 4G

Career & Technical Student Organization

SkillsUSA

Course Correct:

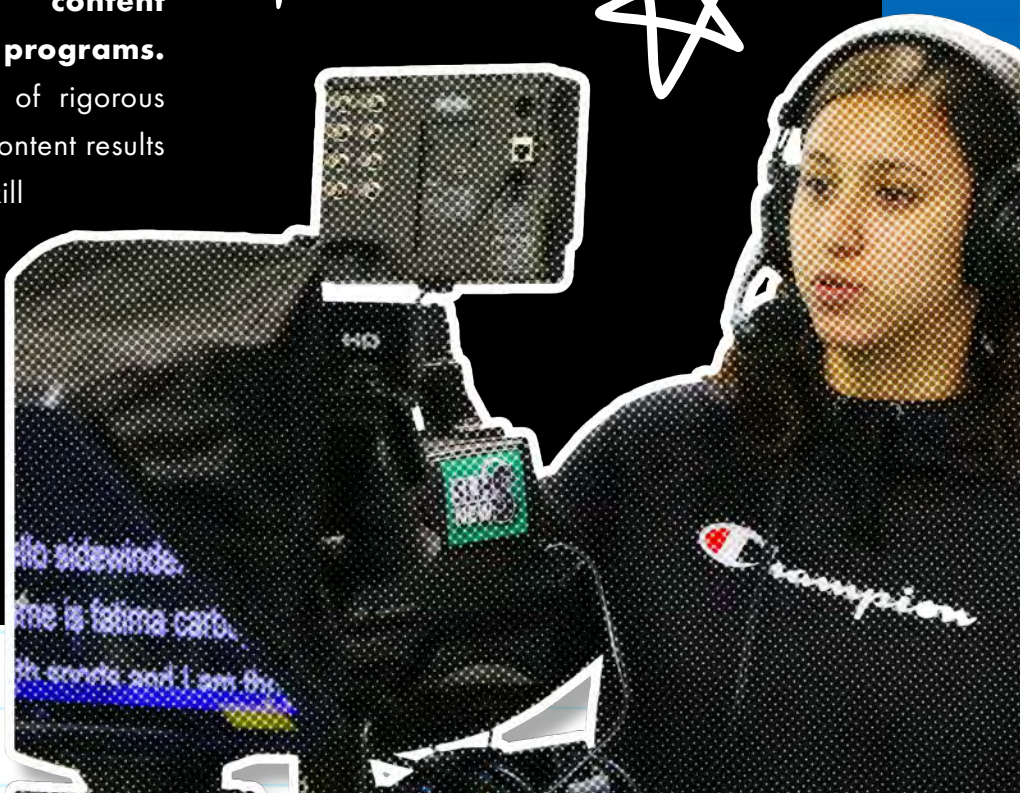
CTE Classes Help Students Earn Credit for Graduation, Career, & Life

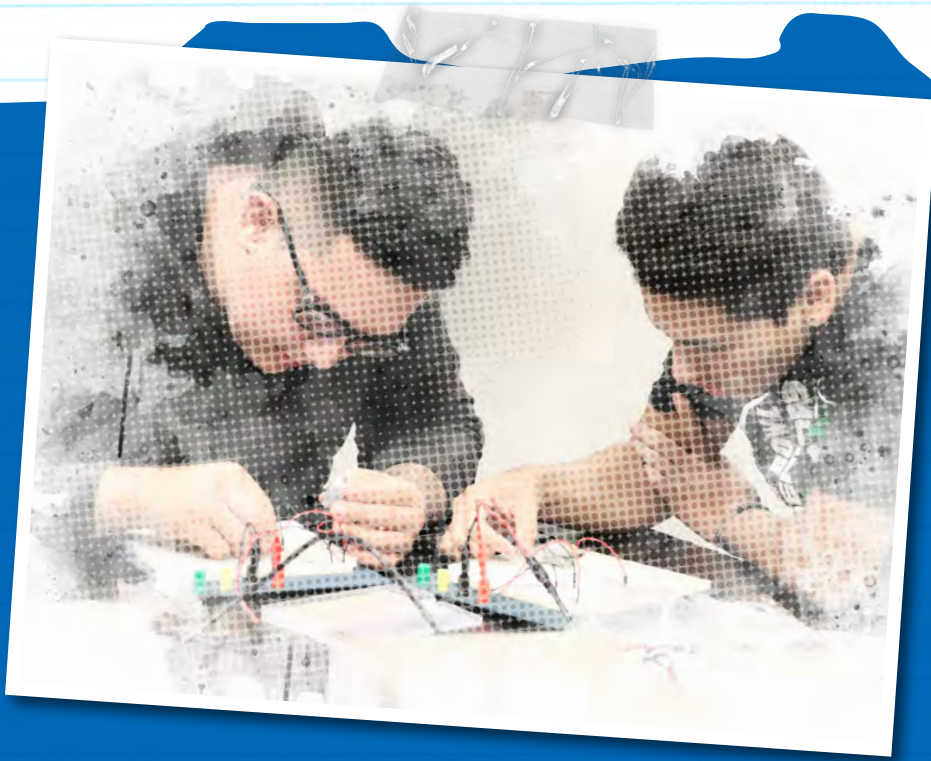
YUHSD offers courses in state-approved Career and Technical Education (CTE) programs. All programs include a coherent sequence of courses leading to student attainment of the state standards in the program. CTE offers exceptional courses with industry-current curricula and state-of-the-art equipment. Upon graduation, students are prepared to transition successfully to postsecondary education and are equipped with the necessary skills to begin working in a specific career.

Rigorous academic content is delivered in CTE programs. Identification and promotion of rigorous and relevant academic CTE content results in increased academic skill attainment and addresses implications for CTE with the high school graduation requirements. This action not only gives the students credit for completing

a CTE program, but also gives them academic credit. Credit will be earned upon completion of the final course in the program sequence.

Students taking YUHSD CTE courses can simultaneously earn credits for both their high school diploma and college degree or certificate through Arizona Western College. Additionally, more than 4,000 students per year earn their industry certification as program completers.





Yuma Union's backbone is EVERY Student: College, Career and Community Prepared. CTE plays a critical role in all of these areas.

- Lorie Honeycutt -

YUHSD Executive Director of CTE



AN EARLY *Career Exploration* **OPPORTUNITY**

CTE concentrators from **YUHSD** are placed in postsecondary education, military service, or employed in their **CTE** career field at a rate of over **83%** as compared to a **71%** statewide average.

Each **YUHSD** campus offers a variety of **CTE** courses such as: agriscience, automotive technologies, business management, digital photography, early childhood education, engineering, law and public safety, welding, and much more.