



**CTE COURSE
RESOURCE
GUIDE**

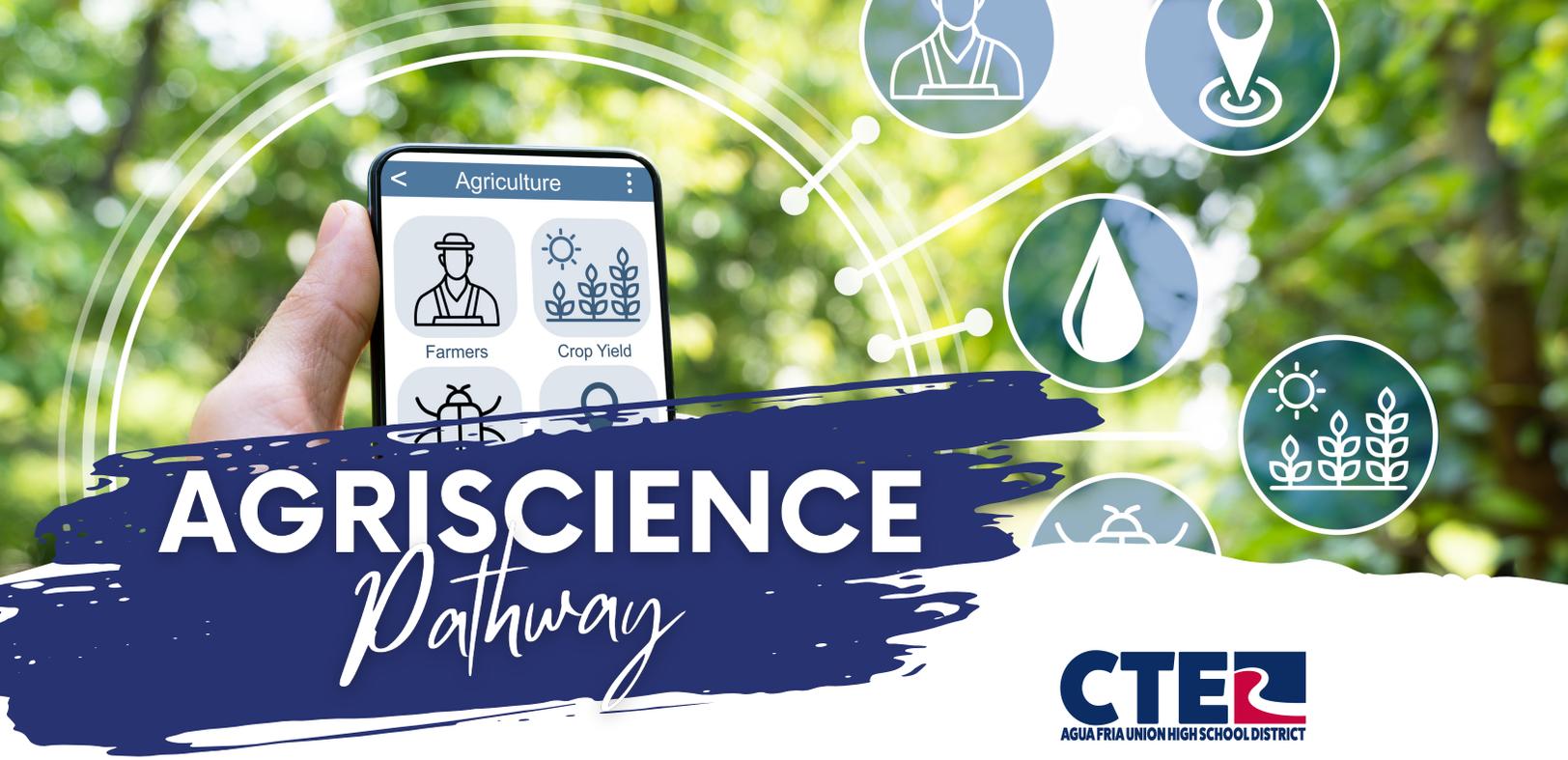
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CTER

AGUA FRIA UNION HIGH SCHOOL DISTRICT

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AGRISCIENCE

Pathway



COHERENT SEQUENCE

- *AgriScience I*
- *AgriScience II*
**Students can earn a Biology Credit
- *AgriScience III*
**Technical Skills Assessment Administered
- *AgriScience IV*
- *Internship*

COURSE DESCRIPTION

- Explore agriculture, animal science, horticulture, soil conservation, and mechanics in a real-world agriculture lab
- Manage a greenhouse and create nutritional plans for plants, animals, and people
- Work with experts in the field of agriculture and take a leadership role by participating in exciting FFA activities



CAREER POSSIBILITIES

- Agricultural Engineer
- Agronomist
- Botanist
- Biologist
- And more!

CTSO: FFA

- FFA is a dynamic youth organization that changes lives and prepares members for premier leadership, personal growth and career success through agricultural education.

INDUSTRY CREDENTIALS

- OSHA 10



AGRISCIENCE

Pathway

Freshman

AgriScience I

- Required for Program Completion
- Foundation for all student
- Juniors and Seniors should not be placed in this level

AgriScience II

- Biology Course
- Not NCAA recognized
- OSHA 10 Certificate

Honors/AP Biology

- Students can take this if they want the honors credit or if needing NCAA credit

Sophomore
CAN TAKE BOTH AT THE SAME TIME

Must complete AG I, AG II/Bio, before entering AG III

AgriScience III

- TSA is taken in this level
- Considered a Program Completer
- Honors Cord offered- District

Junior

AgriScience IV

- Honors Cord offered- FFA Sash
- FFA Scholarships
- State Degree
- Seniors Only

CAN TAKE BOTH AT THE SAME TIME

Senior

CTE Internship

- Can be taken alongside of AG IV
- Seniors Only



AGRISCIENCE

Pathway



AgriScience I

Intro to FFA, WBL

Intro to Plant, Animal Mechanical Sciences

Leadership, hands on learning, labs

Mesa CC Dual Enrollment:
AGS182AA
2Credits

Mesa CC Dual Enrollment:
AGS164
3Credits

Bio Credit Earned

Exploration of science applications

Dissection's, welding concrete construction

AgriScience II

AgriScience III

Dissection's, welding fabrication, wiring

Veterinary sciences, hydroponic design

Rigorous laboratory work

Mesa CC Dual Enrollment:
AGL189
3 Credits

Mesa CC Dual Enrollment:
AGB 132
3 Credits

Entrepreneurship, business fundamentals

School Based Businesses

Scholarships, state degrees

AgriScience IV





FILM & TV

Pathway



COHERENT SEQUENCE

- *Film & TV I*
- *Film & TV II*
**Technical Skills Assessment Administered
- *Film & TV III*
- *Internship*

COURSE DESCRIPTION

- Create dynamic films, documentaries, music videos, public service announcements, and shorts
- Showcase your artistic and creative talents using professional equipment and editing software
- Develop, produce, and deliver unique video and audio projects for film and TV from concept to completion

CAREER POSSIBILITIES

- Production Assistant
- News Anchor
- Video Editor
- Writer
- And more!

CTSO: FBIA OR SKILLSUSA

- FBIA inspires and prepares students to become community-minded business leaders in a global society through relevant career preparation and leadership experiences.
- SkillsUSA improves the quality of America's skilled workforce through a structured program of citizenship, leadership, employability, technical and professional skills training.

INDUSTRY CREDENTIALS

- Adobe Certifications
- Apple Certifications



FILM AND TV

Pathway

Film & TV I

- Foundation for all students
- Available for all grade levels, but preference is given to Freshman, Sophomores and Juniors

Must have completed Film & TV I before entering level II

Film & TV II

- TSA taken at this level
- Considered program completer
- Not available for freshman

Juniors & Seniors Only

Film & TV III

- Long form projects

Must have completed Film & TV I & II

Seniors Only

Internship

- Mostly completed off campus, but some on-campus positions available



AP CODING *Pathway*



COHERENT SEQUENCE

● *AP Coding I*

● *AP Coding II*

**Technical Skills Assessment Administered

● *Internship*

COURSE DESCRIPTION

- Design Video games, Apps, and Interactive Stories
- Program in advanced languages such as Java and Javascript
- Create and manage the entire web development process from idea to finished product



CTSO: FBLA OR SKILLSUSA

- FBLA inspires and prepares students to become community-minded business leaders in a global society through relevant career preparation and leadership experiences.
- SkillsUSA improves the quality of America's skilled workforce through a structured program of citizenship, leadership, employability, technical and professional skills training.



CAREER POSSIBILITIES

- Software Developer
- Web Developer
- Data Scientist
- Game Design
- And More!

PREREQUISITES

- Algebra I

INDUSTRY CREDENTIALS

- None at this time



AP CODING

Pathway

Sophomores & Juniors

AP Coding I

- Required for Program Completion
- Foundation for all students
- Should be Sophomores / Juniors only

- Must have completed Algebra I

- Must have completed AP Coding I

AP Coding II

- TSA is taken in this level
- Considered a Program Completer
- Honors Cord offered- District

Juniors & Seniors

Seniors

Internship

- AP Coding I and II completed, and passed TSA
- Seniors only



GRAPHIC DESIGN

Pathway



COHERENT SEQUENCE

● *Graphic Design I*

● *Graphic Design II*

**Technical Skills Assessment Administered

● *Graphic Design III*

● *Internship*

COURSE DESCRIPTION

- Design and produce dynamic marketing projects through drawing, computer graphics, and digital photography
- Create compelling animations, logos, typography, and package design for effective visual communications
- Operate a successful student-run printing and apparel business to serve the community with a wide range of products and services



CAREER POSSIBILITIES

- Multimedia Designer
- Creative Director
- Social Media Specialist
- Brand Identity Designer
- And More!

CTSO: FBLA OR SKILLSUSA

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- SkillsUSA improves the quality of America's skilled workforce through a structured program of citizenship, leadership, employability, technical and professional skills training.

INDUSTRY CREDENTIALS

- Adobe Certifications



GRAPHIC DESIGN

Pathway

Graphic Design I

Students learn industry basics in photoshop and illustrator.

Freshman

Graphic Design II

Technical assessments assessed. Students are eligible to test for Adobe certification.

Sophomore

Graphic Design III

Adobe certifications eligibility in Photoshop, InDesign, Illustrator

Level I & II completed makes you a completer.

Junior

Internship

Students who complete levels I & II are eligible for internship opportunities within the community

Senior



LIVE ENTERTAINMENT PRODUCTION

Pathway



COHERENT SEQUENCE

- *Live Ent. Prod. I*
- *Live Ent. Prod. II*
**Technical Skills Assessment Administered
- *Internship*

COURSE DESCRIPTION

- Live Entertainment Production instructional program prepares students to participate in the technical and management areas of the performing arts and live entertainment industry
- Cable rigging, lighting techniques, design and construction, costume, and audio production are areas of focus

CAREER POSSIBILITIES

- Stage Manager
- Costume Designer
- Sound Technician
- And More!

INDUSTRY CREDENTIALS

- OSHA 10



LIVE ENTERTAINMENT PRODUCTION *Pathway*

Live Ent. Prod I

- Learn the foundations of the live entertainment industry.
- Learn how to use tools and building supplies.
- Learn the basics of lighting and sound.

*Sophomore
Junior*



Live Ent. Prod II

- Learn advanced design and building skills.
- Act as design heads for school productions.
- Compete in State and Regional Events

*Junior
Senior*

Level I & II completed makes you a completer.



Internship

- Available for Seniors ONLY
- Can take at the same time as LEP II
- Work on campus or at a local college or theatre/entertainment venue.
- Resume Building & Workforce Experience!

Senior





MARKETING

Pathway



COHERENT SEQUENCE

- *Marketing I*
- *Marketing II*
**Technical Skills Assessment Administered
- *Marketing III*
- *Internship*

CAREER POSSIBILITIES

- Market Research Analyst
- Entrepreneur
- Business Executive
- Finance
- And More!

INDUSTRY CREDENTIALS

- RISE-Up

COURSE DESCRIPTION

- Experience a wide range of dynamic business strategies to create, communicate, and deliver products and services to customers
- Design and implement powerful advertising and management plans to compete globally
- Create and present unique materials for unforgettable advertising, sales, and public relations campaigns

CTSO: DECA

- DECA prepares emerging leaders and entrepreneurs in marketing, finance, hospitality, and management in high schools and colleges around the globe.



MARKETING

Pathway

Marketing I

- Foundation for all students
- Available for all grade levels, but preference is given to Freshman, Sophomores and Juniors

Freshman

Marketing II

- TSA taken at this level
- Considered program completer
- Not available for freshman

Sophomore

Marketing III

- Long form projects and work the student store.

Junior

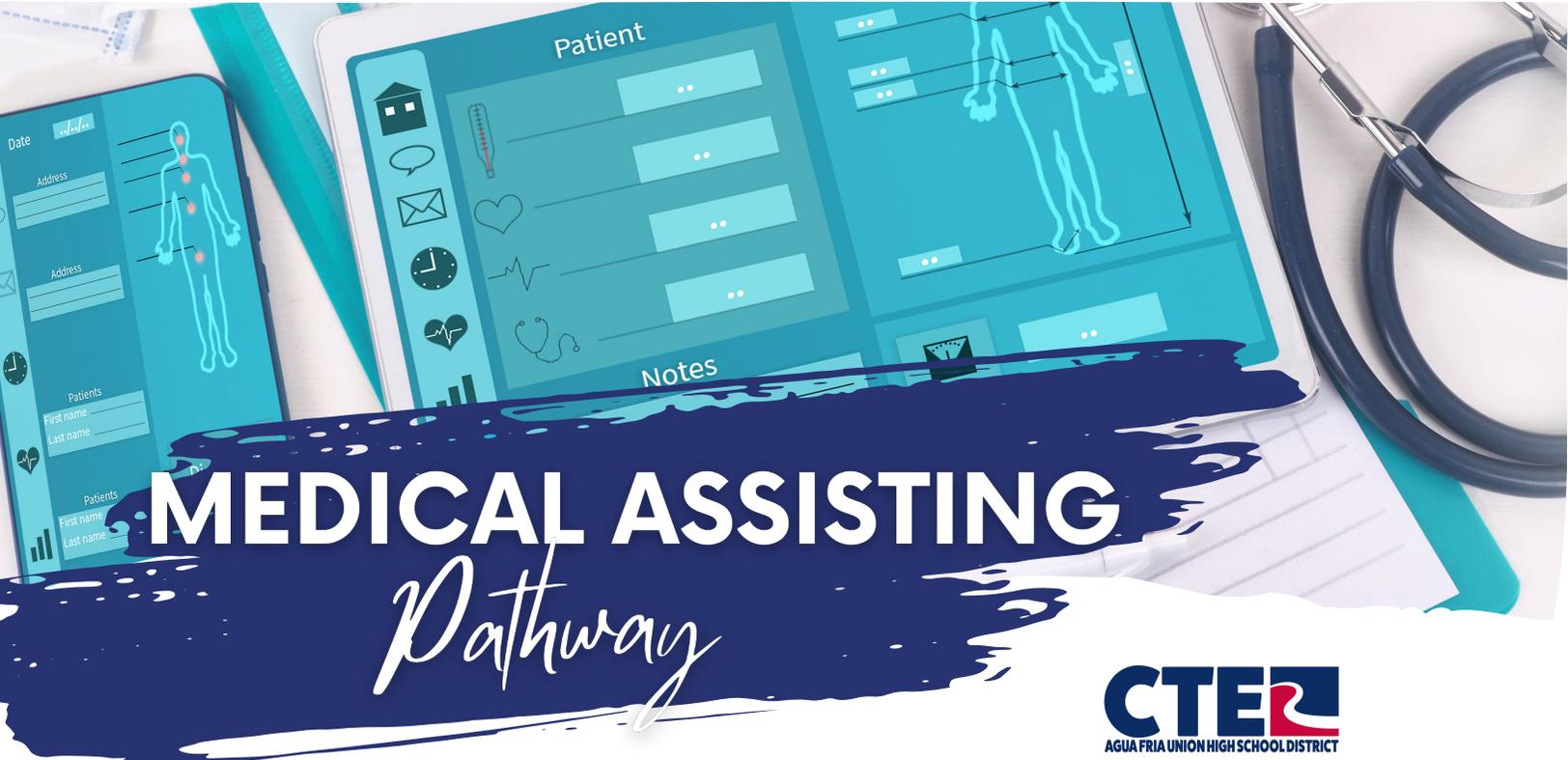
Internship

- Mostly completed off campus, but some on-campus positions available

Senior

- Marketing I and II and passed the TSA in Marketing II





MEDICAL ASSISTING *Pathway*



COHERENT SEQUENCE

- *Medical Assisting I*
- *Medical Assisting II*
**Technical Skills Assessment Administered
- *Medical Assisting II Lab/Internship*

COURSE DESCRIPTION

- Prepare patients for X-rays, removing stitches, drawing blood, or changing dressings
- Practice taking patients' confidential personal information and vital signs
- Specialize in either medical administrative or clinical work



CTSO: HOSA

- HOSA actively promotes career opportunities in the health industry and enhances the delivery of quality health care to all people.



PREREQUISITES

- Biology

CAREER POSSIBILITIES

- Medical Assistant
- Nurse Assistant
- Nurse
- And more!

INDUSTRY CREDENTIALS

- First Aid/CPR
- Certified Clinical Medical Assistant



MEDICAL ASSISTING Pathway

Pre Requisite

Biology is required before taking Medical Assisting I

Sophomore

Medical Assisting I

*Same as West MEC
** Needs a C or better in Medical Assisting I, before going into Med. Assist II

Junior

INSTRUCTOR APPROVAL REQUIRED

Medical Assisting II

Industry Certification

Senior

CAN TAKE BOTH AT THE SAME TIME

Medical Assisting II Lab Internship

Senior

TSA is taken in Medical Assisting II





SPORTS MEDICINE

Pathway



COHERENT SEQUENCE

- *Sports Med I*
- *Sports Med II*
**Technical Skills Assessment Administered
- *Physical Therapy*
- *Internship*

COURSE DESCRIPTION

- Apply detailed anatomical knowledge to recognize and evaluate injuries for competitive athletes
- Design and implement treatment plans utilizing professional-grade rehabilitation equipment



CTSO: HOSA

- HOSA actively promotes career opportunities in the health industry and enhances the delivery of quality health care to all people.



CAREER POSSIBILITIES

- Athletic Trainer
- Physical Therapy Aide
- Nurse
- Physical Therapist
- Doctor
- Physician Assistant
- And more!

INDUSTRY CREDENTIALS

- First Aid/CPR
- OSHA 10
- Physical Therapy Aide



SPORTS MEDICINE Pathway

Sports Medicine I

Dual Enrollment options:
HES 154
HES 271

Freshman

Sports Medicine II

Dual Enrollment:
HES 100
HES 275(Prereq HES 271)

Sophomore



SPORTS MEDICINE

Physical Therapy

Physical Therapy Technician industry certification
*Same as West MEC

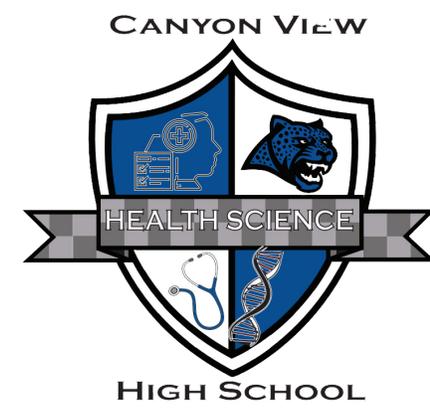
TSA is administered in Sports Med II and is considered program completion

Junior

Internship

- Medical internship
- Professional skill opportunities
- Real world industry experiences

Senior



HIGH SCHOOL



SPORTS MEDICINE

Pathway



SPORTS MEDICINE

Sports Med I

CPR/AED Certification

Intro to HOSA

Intro to Anatomy, Injuries, treatment of injuries

Hands on testing and evaluation

Rio Solado CC
Dual Enrollment:
HES 154
HES 271
6 Credits

Rio Solado CC
Dual Enrollment:
HES 100
HES 275
6 Credits

Medical Evaluation

Functional anatomy and assessments

Rehabilitation and Modalities

Sports Med II

OSHA 10 Certification

Physical Therapy

Rehabilitation focus

Modalities & application

Hands on application

AMCA:
Physical Therapy
Technician
Certification

CANYON VIEW



HIGH SCHOOL

Medical internship

Professional skill opportunities

Real world industry experiences

Internship





INTERNSHIP



CTE INTERNSHIP

A CTE Pathway Completer - A student that has completed all levels of a CTE Pathway that is seeking to apply field knowledge and skills.

PROFESSIONAL INTERNSHIP

A Professional Intern is a student that has not completed a CTE course sequence. This student currently has a paid job and is seeking school credit for their job placement.

**Both interns are required to comply with course requirements in order to obtain school credit.

COURSE REQUIREMENTS

- Must be an upcoming senior, with a 2.8+ GPA.
- Complete Internship Application & 3 letters of recommendation
 - CTE Teacher Letter of Recommendation
 - Faculty Letter of Recommendation
 - Counselor Letter of Recommendation
- Attend all in-person class times. Refer to Appendix D for in-person dates.
- Complete all coursework assessments - reflective journals, timesheets, mentor evaluations, portfolio, and presentation.
- Agree to work 130 hours or more throughout the school year (65 per semester).
- Students are responsible for arranging transportation to and from the internship site.

