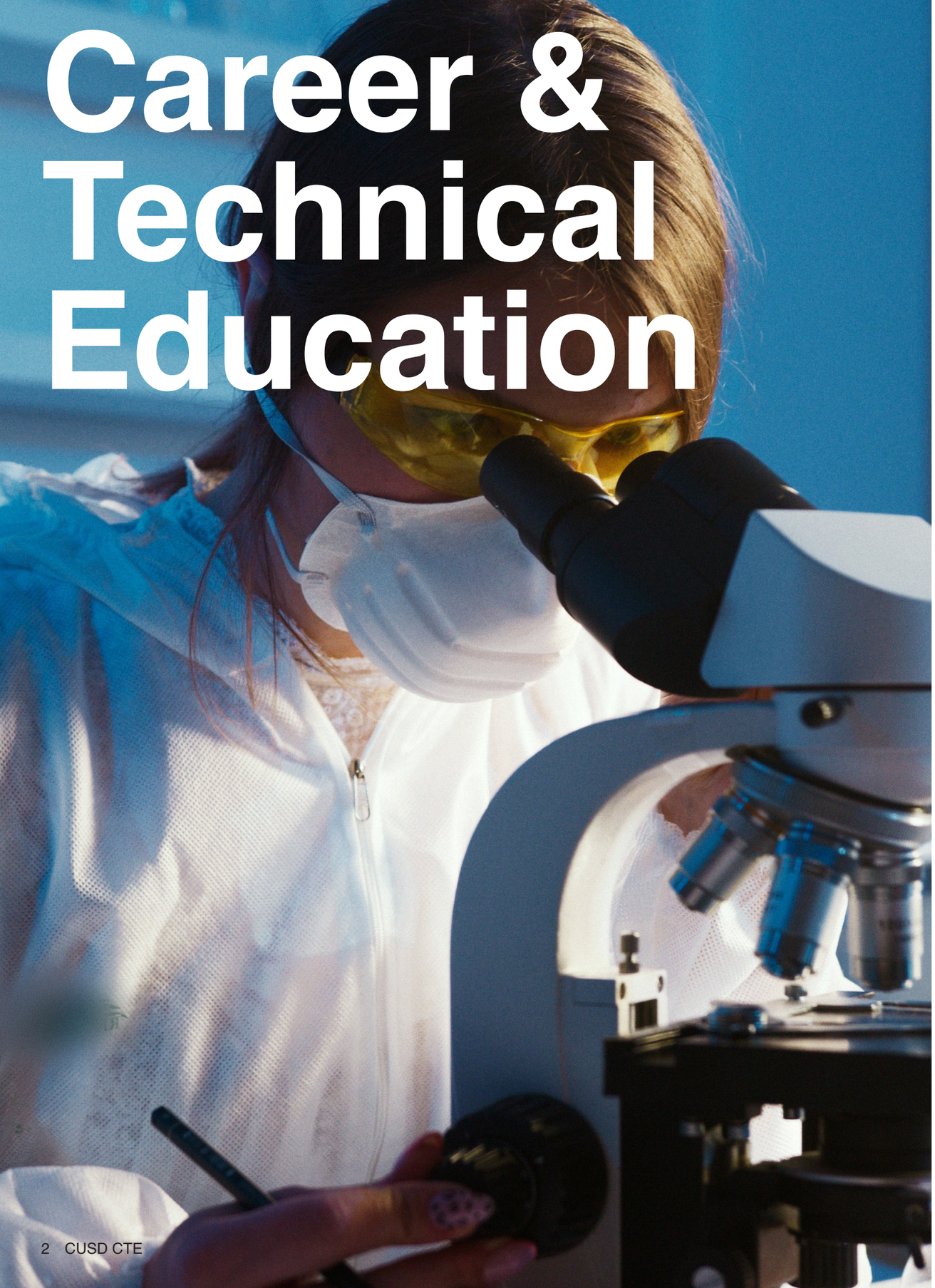
CTE | CAREER & TECHNICAL EDUCATION

Chandler Unified School District

2025-2026

Counseling Guide

BUILDING **FUTURE-READY** STUDENTS



Career & Technical Education

CTE Purpose

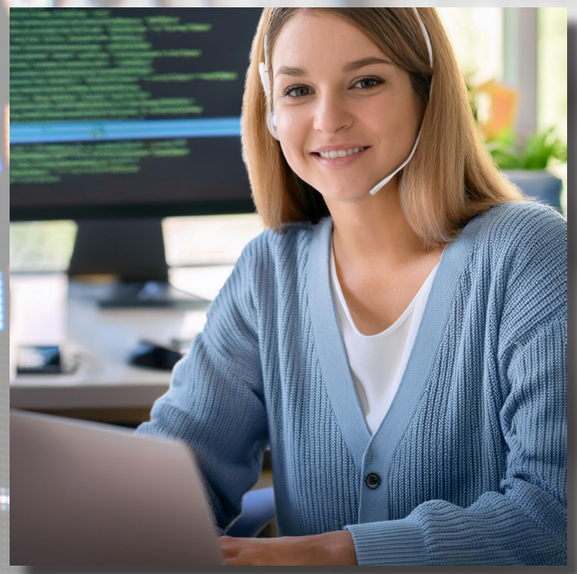
The purpose of Career and Technical Education is to provide all CUSD students the opportunity to select a program of study that involves a multi-year sequence of courses. Each CTE Program integrates core academic knowledge with technical knowledge and professional skills to provide students with a pathway to postsecondary education and careers.

CTE Goal

The goal of the CUSD CTE Department is for each student to become a completer in at least one program. To qualify as a completer, each student must complete a minimum of 2 or 3 years in a specific program. Three year programs are indicated with an asterisk* below. Students in their 2nd or 3rd year of their program have the opportunity to earn an industry credential as outlined below. All CTE courses are one full year.

CTE PATHWAYS

Agriscience*	**Automation & Robotics**	**Automotive Technologies***
Year 1: PALS or ABS Year 2: Agriscience 1 Year 3: Agriscience 2 Year 4: Internship & additional courses offered CTSO: FFA Program: 3 years Industry Cert: OSHA 10-Agriculture	Year 1: Honors Robotics & Engineering Tech 1 Year 2: Honors Robotics & Engineering Tech 2 Year 3: Robotics & Engineering Internship CTSO: SkillsUSA Program: 2 years Industry Cert: AutoDesk Fusion 360 and/or AutoDesk Inventor	Year 1: Automotive Technologies 1 Year 2: Automotive Technologies 2 Year 3: Automotive Technologies 3 Year 4: Automotive Technologies Internship CTSO: SkillsUSA Program: 3 years Industry Cert: ASE
Bioscience	**Cabinetmaking**	**Culinary Arts**
Year 1: Biotechnology 1 Year 2: Biotechnology 2 Year 3: Biotechnology Internship CTSO: HOSA Program: 2 years Industry Cert: OSHA 10-Healthcare & Biotechnology Aptitude and Competency Exam (BACE)	Year 1: Woods 1 Year 2: Woods 2 Year 3: Woods Internship CTSO: SkillsUSA Program: 2 years Industry Cert: OSHA 10-Construction Industry	Year 1: Culinary Arts 1 Year 2: Culinary Arts 2 Year 3: Internship & additional courses offered CTSO: FCCLA Program: 2 years Industry Cert: Food Handler's & Food Manager Certification
Digital Animation	**Digital Communication**	**Digital Photography**
Year 1: Game Design & 3D Animation 1 Year 2: Game Design & 3D Animation 2 Year 3: Game Design Internship CTSO: FBLA Program: 2 years Industry Cert: Unity Certified User	Year 1: Digital Communication 1 Year 2: Digital Communication 2 Year 3: Digital Communication Internship CTSO: FBLA or SkillsUSA Program: 2 years Industry Cert: Adobe Certified Professional	Year 1: Digital Photography 1 Year 2: Digital Photography 2 Year 3: Internship & additional courses offered CTSO: FBLS or SkillsUSA Program: 2 years Industry Cert: Adobe Certified Professional
Early Childhood Education	**Education Professions**	**Film & TV Production**
Year 1: Early Childhood Education 1 Year 2: Early Childhood Education 2 Year 3: ECE Internship & additional courses offered CTSO: FCCLA Program: 2 years Industry Cert: Paraprofessional, CPR/AED, First Aid	Year 1: Education Professions 1 Year 2: Education Professions 2 Year 3: Education Professions Internship CTSO: FCCLA Program: 2 years Industry Cert: Paraprofessional, CPR/AED & First Aid	Year 1: Film & TV Production 1 Year 2: Film & TV Production 2 Year 3: Film & TV Internship CTSO: SkillsUSA Program: 2 years Industry Cert: Adobe Certified Professional
Graphic Design	**Marketing**	**Network Security**
Year 1: Graphic Design 1 Year 2: Graphic Design 2 Year 3: Graphic Design Internship CTSO: SkillsUSA or FBLA Program: 2 years Industry Cert: Adobe Certified Professional	Year 1: Marketing 1 Year 2: Marketing 2 Year 3: Internship & additional courses offered CTSO: DECA Program: 2 years Industry Cert: RISE-Up: Customer Service & Sales	Year 1: Honors Intro to Computer Systems & Honors Hardware and Software Config & Support Year 2: Honors Intro to LAN & Security Fundamentals and Honors Linux OS Year 3: Additional courses offered CTSO: FBLA Program: 2 years Industry Cert: CompTIA-A+, IT Fundamentals, Network+, and Security +, PCEP; Python Certified Entry Programmer
Nursing Services	**Semiconductors**	**Software and App Design**
Year 1: Medical Professions 1 Year 2: Medical Professions 2 CTSO: HOSA Program: 2 years Industry Cert: CPR/AED, First Aid, Certified Nurse Assistant (CNA)/ Licensed Nurse Assistant (LNA)	Year 1: Honors Semiconductors 1 Year 2: Honors Semiconductors 2 Year 3: Semiconductors Internship CTSO: SkillsUSA Program: 2 years Industry Cert: TBD	Year 1: AP Computer Science Principles 1 Year 2: AP Computer Science A Year 3: Internship & additional course offered. CTSO: FBLA or SkillsUSA Program: 2 years Industry Cert: Information Technology Specialist-Java
Sports Medicine & Rehabilitation	**Stagecraft**	**sUAS Drone**
Year 1: Sports Medicine 1 Year 2: Sports Medicine 2 Year 3: Sports Medicine Internship CTSO: HOSA Program: 2 years Industry Cert: CPR/AED Certification, First Aid, OSHA 10-Healthcare, EMR	Year 1: Technical Theatre 1 Year 2: Technical Theatre 2 Year 3: Technical Theatre Internship CTSO: SkillsUSA Program: 2 years Industry Cert: OSHA 10-Construction Industry	Year 1: Drone Technology 1 Year 2: Drone Technology 2 Year 3: Drone Technology Internship CTSO: SkillsUSA Program: 2 years Industry Cert: FAA - Remote Pilot



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Building Future Ready Students

The CUSD **Mentorships–Internships–Careers (MIC)** course is designed to ignite and equip high school students with the skills and inspiration needed for their future career paths. By fostering collaborations with local businesses, the **MIC** program actively involves students in career education, offering them invaluable hands-on experiences through internships. Through these partnerships, both our emerging workforce and business allies stand to benefit, as they collectively invest in nurturing tomorrow's talent.

Student must be classified as a junior (11th grade) or senior (12th grade) and at least 16 years of age. Student must be a concentrator (2-3 years in the same CTE program) prior to enrolling.

Career & Technical Student Organizations

Students have the opportunity to participate in a national CTSO such as DECA, FBLA, FCCLA, FFA, HOSA, and SkillsUSA. These organizations help students foster not only technical skills, but interpersonal and workplace skills such as integrity, responsibility, teamwork, communication, professionalism and leadership.

SCHOOL OFFERINGS

CTE | CAREER & TECHNICAL EDUCATION
Chandler Unified School District

Arizona College Preparatory
- Automation & Robotics
- Biotechnology
- Culinary Arts
- Digital Photography
- Education Professions
- Film & TV Production
- Marketing
- Software & App Design
- Sports Medicine
- Technical Theatre

Basha High School
- Agriscience
- Biotechnology
- Culinary Arts
- Cybersecurity
- Digital Photography
- Early Childhood Education
- Film & TV Production
- Graphic Design
- Marketing
- Medical Professions
- Software & App Design
- Sports Medicine

Camille Casteel High School
- Automation & Robotics
- Biotechnology
- Culinary Arts
- Digital Photography
- Education Professions
- Film & TV Production
- Marketing
- Software & App Design
- Sports Medicine
- Technical Theatre

Chandler High School
- Agriscience
- Automotive
- Cabinetmaking
- Culinary Arts
- Cybersecurity
- Digital Communications
- Digital Photography
- Early Childhood Education
- Film & TV Production
- Game Design & 3D Animation
- Graphic Design
- Marketing
- Software & App Design
- Sports Medicine
- sUAS Drone Technologies

Hamilton High School
- Automation & Robotics
- Culinary Arts
- Digital Communications
- Digital Photography
- Early Childhood Education
- Film & TV Production
- Graphic Design
- Marketing
- Semiconductor Technologies
- Software & App Design
- Sports Medicine
- Technical Theatre

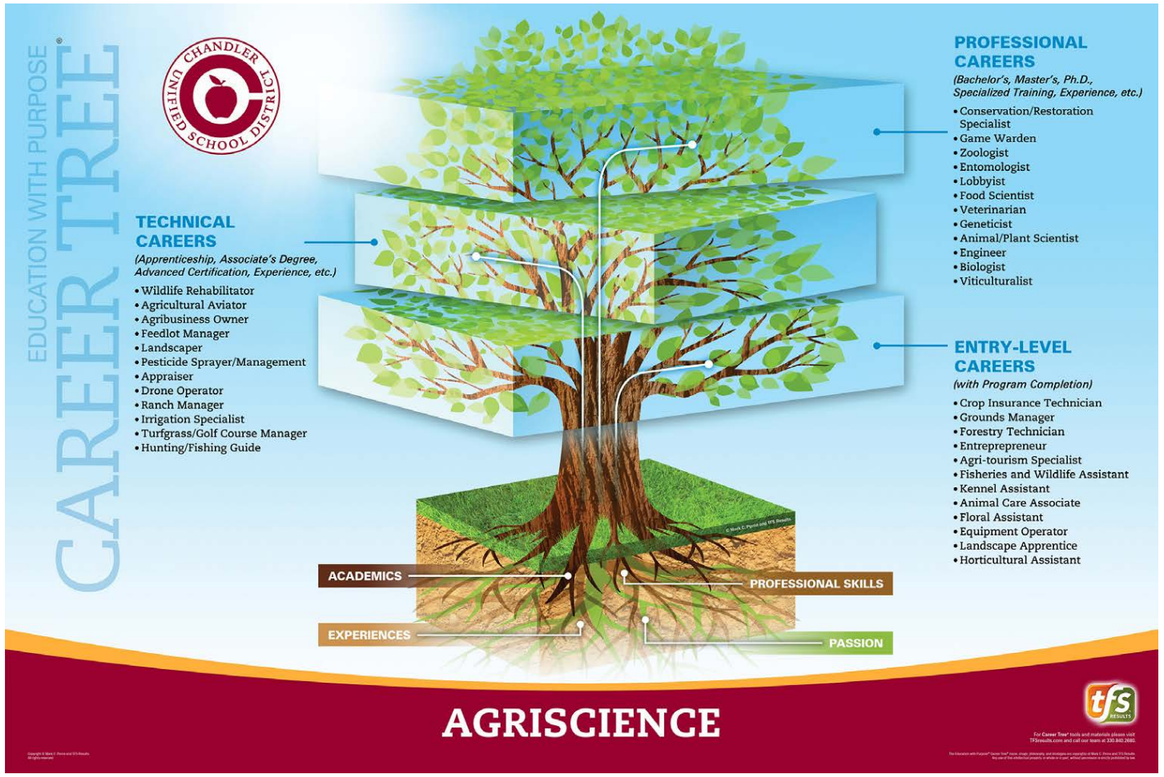
Perry High School
- Automation & Robotics
- Culinary Arts
- Digital Photography
- Early Childhood Education
- Film & TV Production
- Graphic Design
- Marketing
- Medical Professions
- Software & App Design
- Sports Medicine
- Technical Theatre

In CTE
students plan for their futures

Education with Purpose® is the overarching TFS Results philosophy that drives the Career Tree — the concept that students and trainees who are exposed to career-focused learning are empowered to discover their passion and direction sooner, so they can make the most of their education. Education with Purpose® is education that makes sense, customized to the unique strengths and interests of each student. One size doesn't fit all, and as part of the Education with Purpose® philosophy, the Career Tree recognizes and builds on that truth to promote focused and decisive learning.

SOURCE: *THE TFS CAREER TREE CURRICULUM GUIDE* V 3.0

Career Trees and Program Coherent Sequences shown on the following pages.



Agriscience Coherent Sequence

ABS (AGS200)
Prerequisite: None

OR

PALS (AGS100)
Prerequisite: None

Agriscience 1 (AGS230)
Prerequisite: Concurrent enrollment or completion of ABS or PALS

Agriscience 2 (AGS240)
Prerequisite: Concurrent enrollment or completion of Ag 1

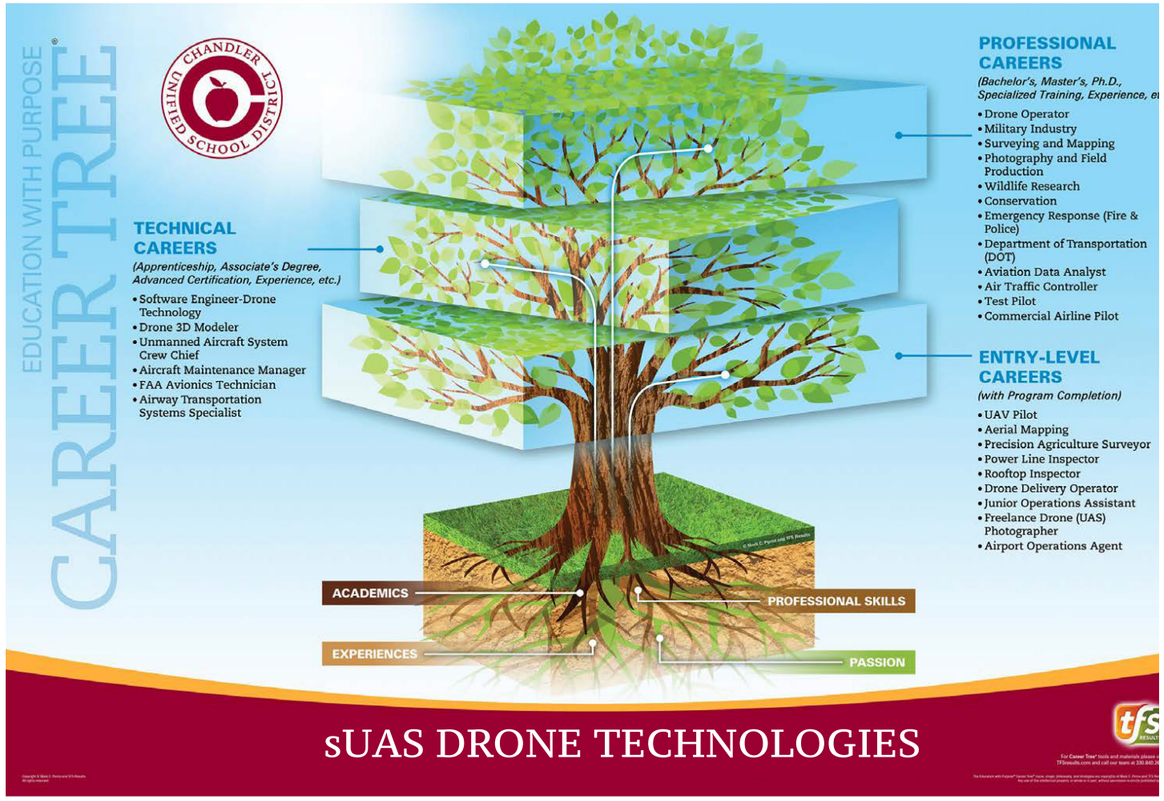
Ag Engineering (AGS110)
Prerequisite: Concurrent enrollment or completion of Ag 2

&/OR

Agricultural Business Management (AGS420)
Prerequisite: Ag 2 and 12th grade (must have three full credits of Ag prior)

&/OR

Mentorships Internships Careers (MIC500)
Prerequisite: Ag 2, Instructor approval 11th &12th grade (must have three full credits of Ag prior)



sUAS (small Unmanned Aircraft Systems) Drone Technology Coherent Sequence

Drone Technology 1 (ATD100)
Prerequisite: None

↓

Drone Technology 2 (ATD200)
Prerequisite: Drone Technology 1

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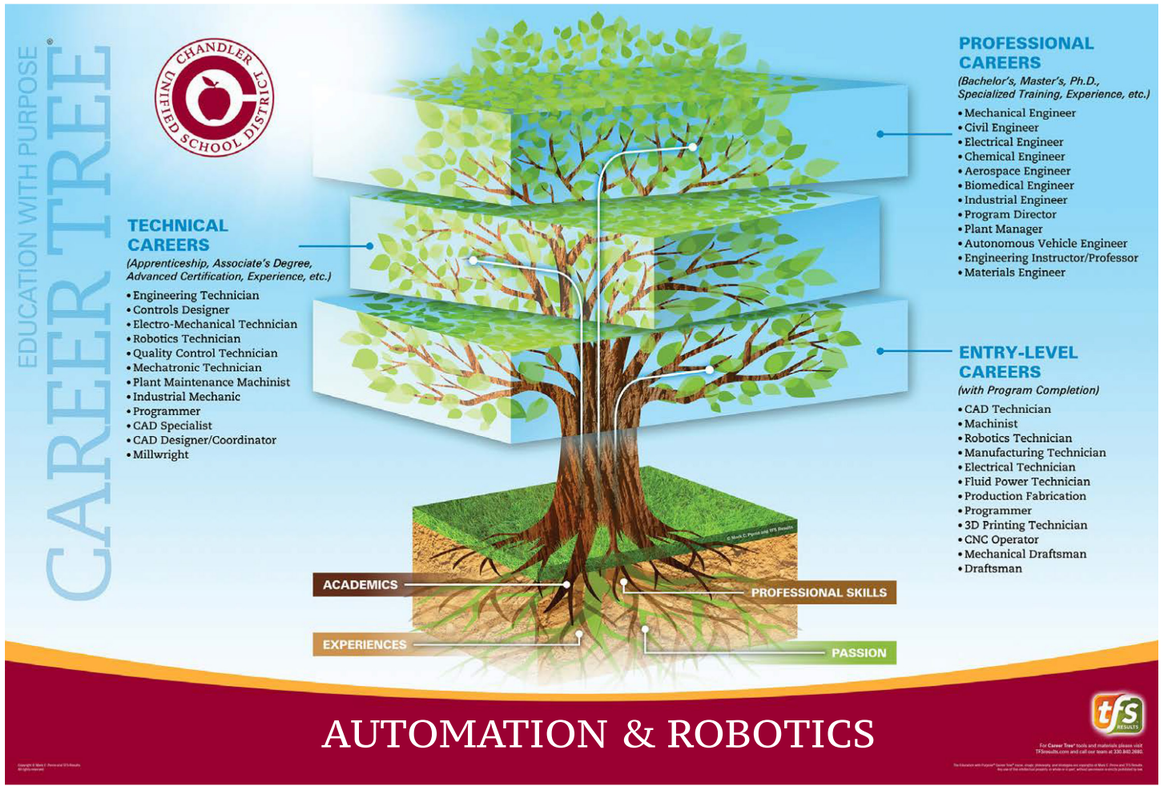
Mentorships Internships Careers (MIC500)
Prerequisite:
Drone Technology 2,
11th & 12th grade and Instructor approval



Automation & Robotics Coherent Sequence

Honors Robotics & Engineering Tech 1 (RET 105)
Prerequisite: None

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Honors Robotics & Engineering Tech 2 (RET 205)
Prerequisite: Honors Robotics & Engineering Tech 1

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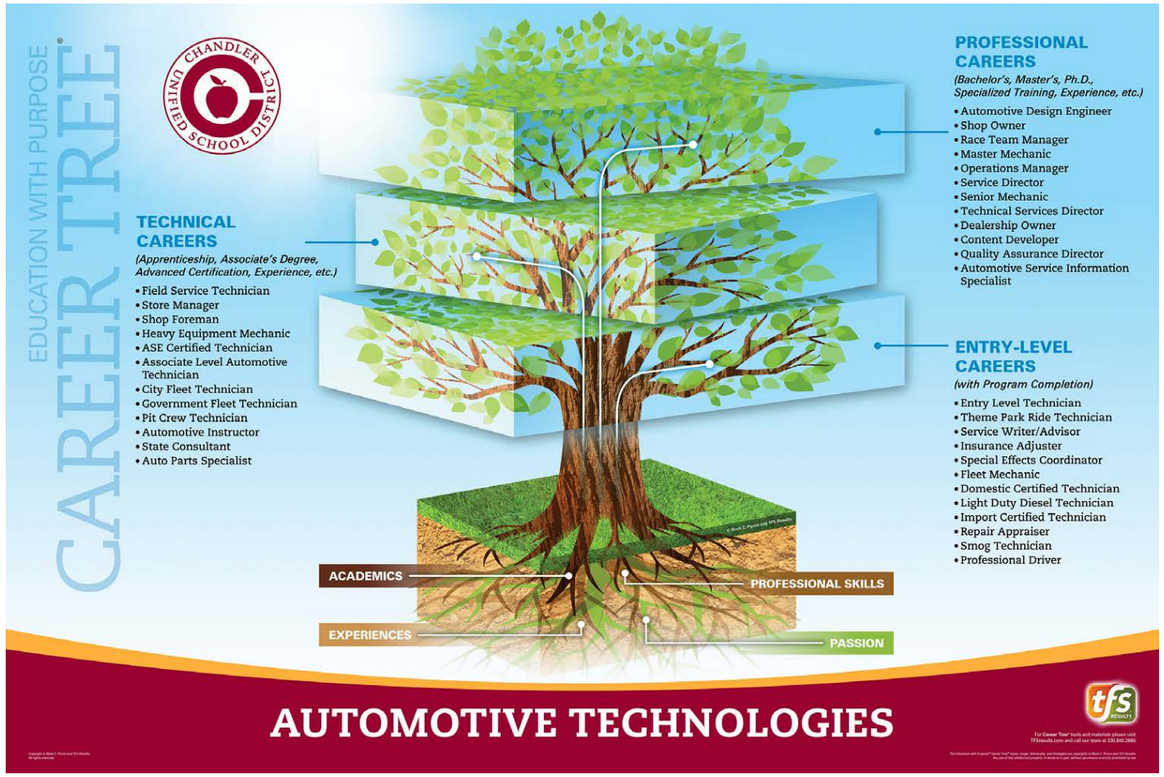
Mentorships Internships Careers (MIC500)
Prerequisite: Honors Robotics & Engineering Tech 2
11th & 12th grade and Instructor approval



Automotive Technologies Coherent Sequence

Automotive Technologies 1 (AUT100)
Prerequisite: None

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Automotive Technologies 2 (AUT200)
Prerequisite: Automotive Technologies 1

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Automotive Technologies 3 (AUT300)
Prerequisite: Automotive Technologies 2

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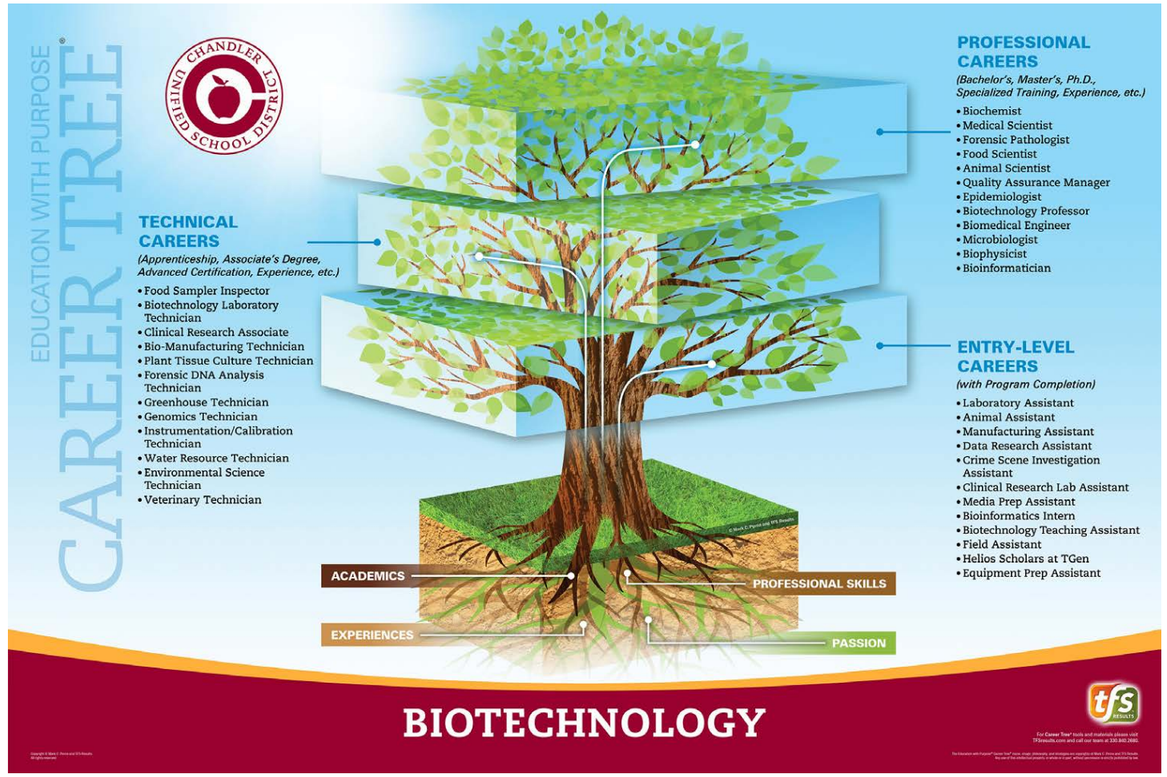
Mentorships Internships Careers (MIC500)
Prerequisite:
Automotive Technologies 3
11th &12th grade and Instructor approval



Biotechnology (ADE Bioscience Program) Coherent Sequence

Biotechnology 1 (BIT300)
Prerequisite: Biology
Grades: 9 (AMS only), 10, 11, 12

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Biotechnology 2 (BIT400)
Prerequisite: Biotechnology 1

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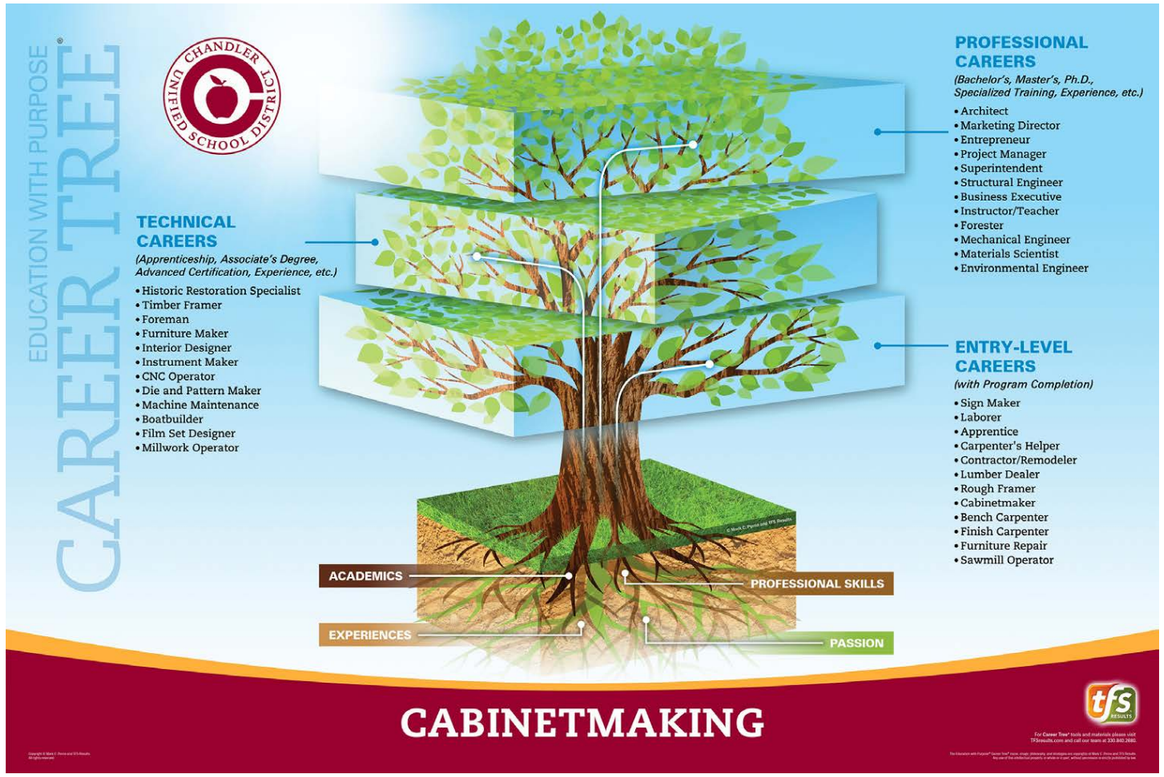
Mentorships Internships Careers (MIC500)
Prerequisite:
Biotechnology 2,
11th &12th grade and Instructor approval



Cabinetmaking Coherent Sequence

Woods 1 (WDS 100)
Prerequisite: None

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Woods 2 (WDS200)
Prerequisite: Woods 1

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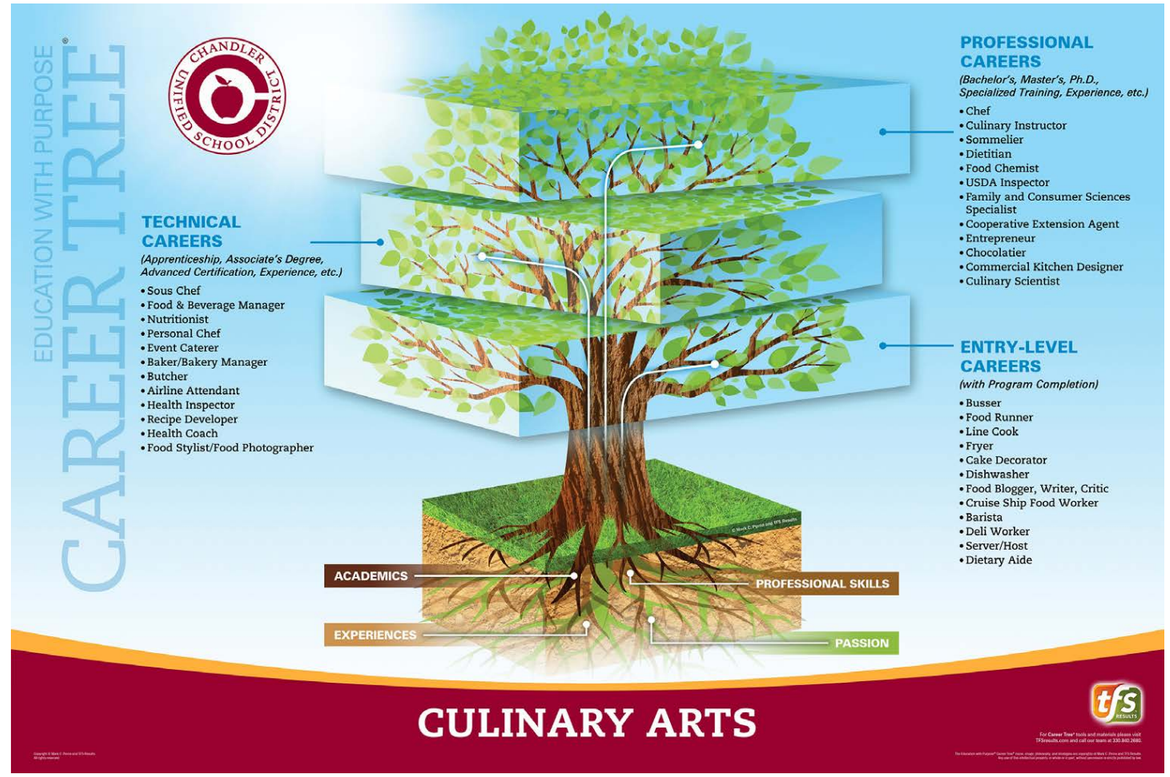
Mentorships Internships Careers (MIC500)
Prerequisite:
Woods 2,
11th & 12th grade
and Instructor approval



Culinary Arts Coherent Sequence

Culinary Arts 1 (CUL100)
Prerequisite: Maricopa County Food Handler Certificate

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Culinary Arts 2 (CUL200)
Prerequisite: Culinary Arts 1 and Maricopa County Food Handler Certificate

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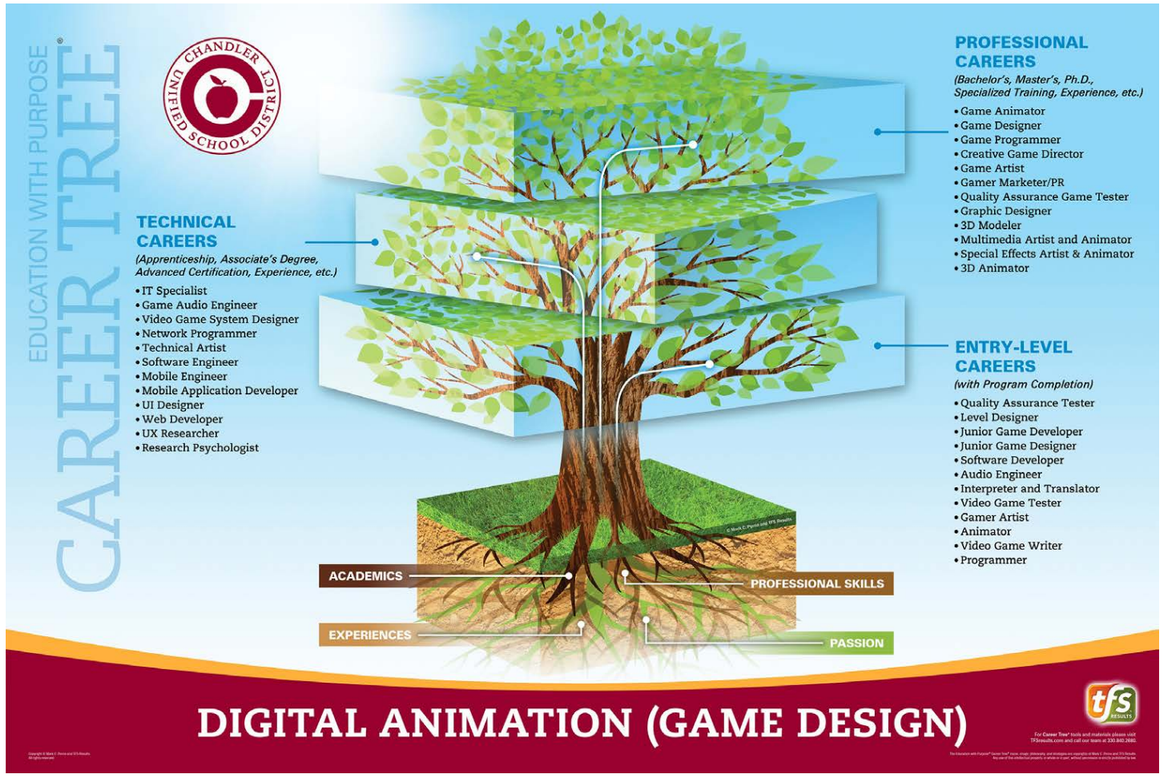
Culinary Arts 3 (CUL300)
Prerequisite:
Culinary Arts 2 and Maricopa County Food Handler Certificate

&/OR

Mentorships Internships Careers (MIC500)
Prerequisite:
Culinary Arts 2,
11th &12th grade
and
Instructor approval



Game Design & 3D Animation (ADE Digital Animation program) Coherent Sequence

Game Design & 3D Animation 1 (GDA100)
Prerequisite: None

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Game Design & 3D Animation 2 (GDA200)
Prerequisite: Game Design & 3D Animation 1

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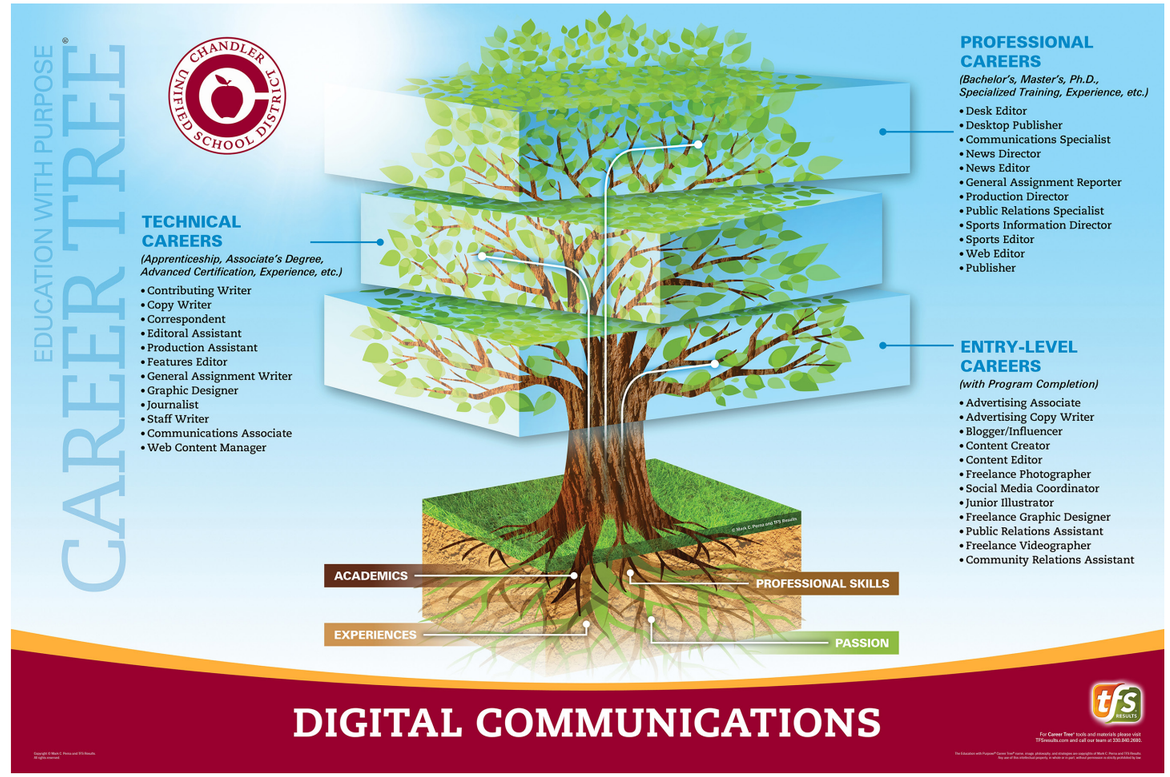
Mentorships Internships Careers (MIC500)
Prerequisite:
Game Design & 3D Animation 2,
11th & 12th grade and Instructor approval



Digital Communication Coherent Sequence

Digital Communication 1 (DCM100)
Prerequisite: None

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Digital Communication 2 (DCM200)
Prerequisite: Digital Communication 1

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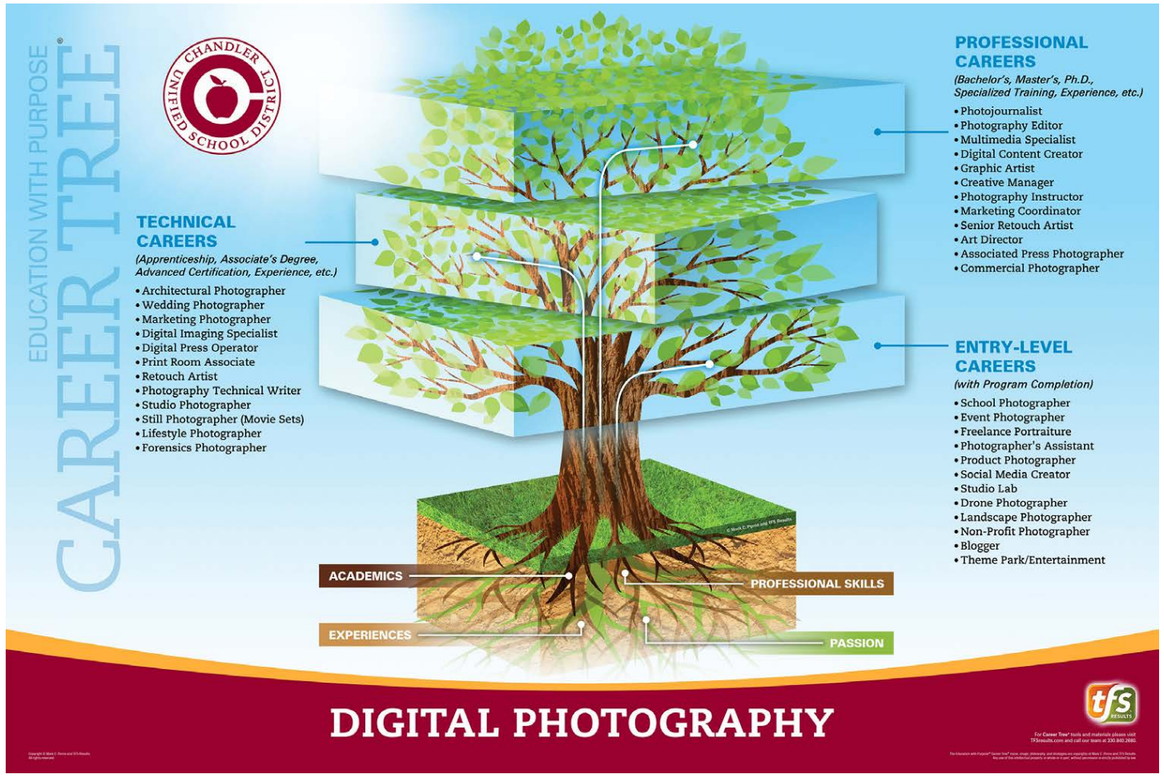
Mentorships Internships Careers (MIC500)
Prerequisite:
Digital Communication 2,
11th &12th grade
and Instructor approval



Digital Photography Coherent Sequence

Digital Photography 1 (DPH100)
Prerequisite: None
This course may be taken for Fine Arts credit (DPH101)

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Digital Photography 2 (DPH200)
Prerequisite: Digital Photography 1
This course may be taken for Fine Arts credit (DPH201)

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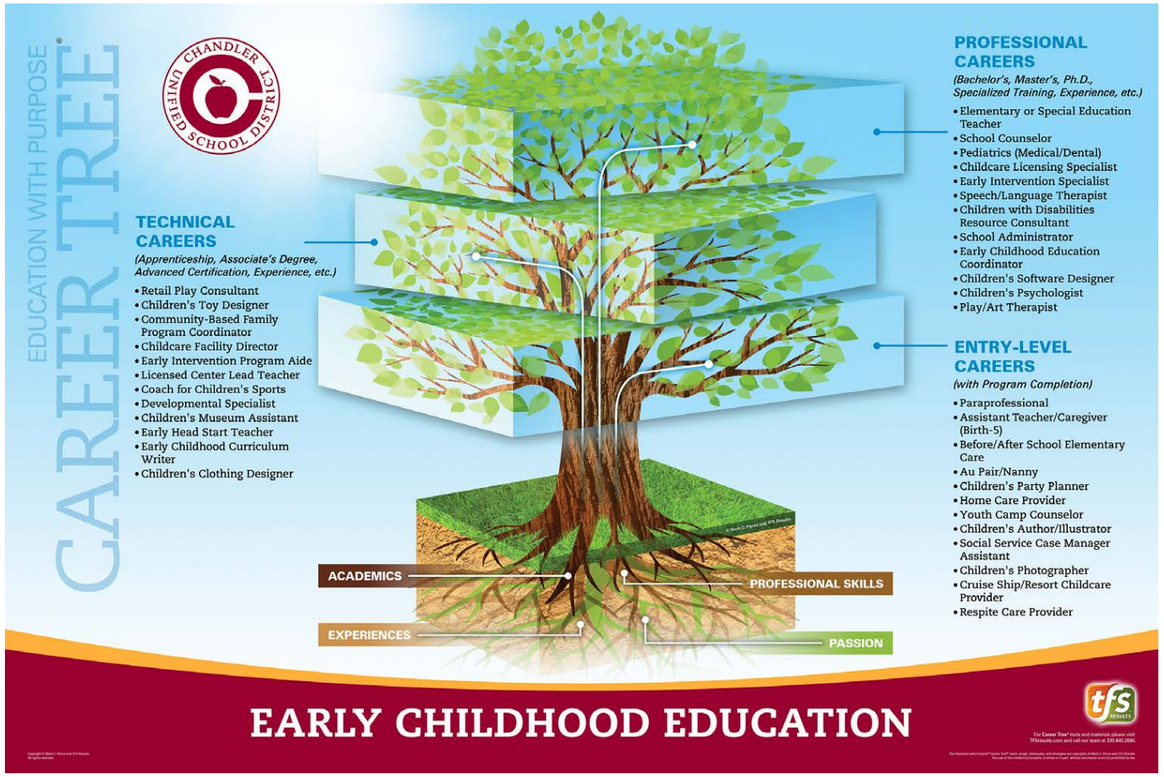
AP Studio Art: 2-D Design Portfolio (ART306)
Prerequisite: Digital Photography 2 or Instructor Approval
Hamilton Only

&/OR

Mentorships Internships Careers (MIC500)
Prerequisite:
Digital Photography 2, 11th &12th grade and Instructor approval



Early Childhood Education Coherent Sequence

Early Childhood Education 1 (ECE100)
Prerequisite: None

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Early Childhood Education 2 (ECE200)
Prerequisite: Early Childhood Education 1

↓

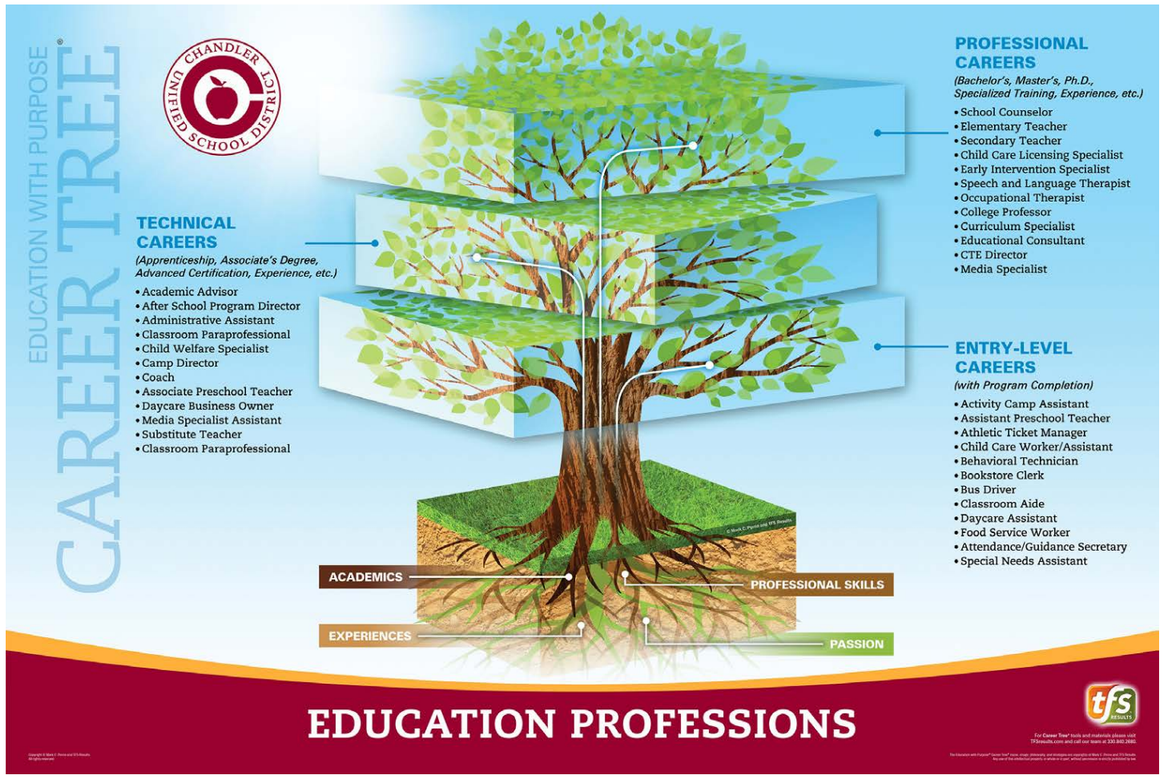
Early Childhood Education 3 (ECE430)
Prerequisite: Early Childhood Education 2

↓

Early Childhood Education 4 (ECE440)
Prerequisite: Concurrent enrollment or completion of Early Childhood Professions 1

Mentorships Internships Careers (MIC500)
Prerequisite:
11th & 12th grade, Early Childhood Education 2, and instructor approval

*ECE Internship can be concurrently enrolled with both ECE430 & ECE440



Education Professions Coherent Sequence

Education Professions 1 (EDP200)
Prerequisite: None

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Education Professions 2 (EDP300)
Prerequisite: Education Professions 1

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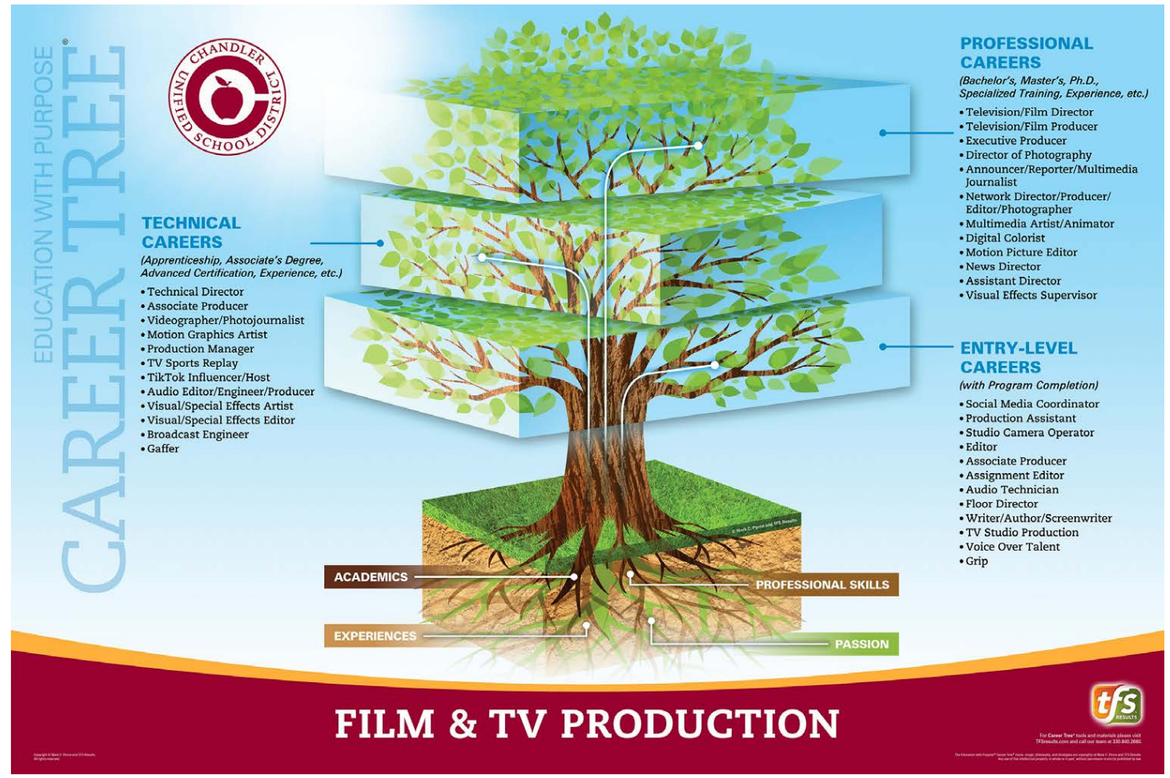
Mentorships Internships Careers (MIC500)
Prerequisite:
Education Professions 2,
12th grade and Instructor approval



Film and TV Production Coherent Sequence

Film & TV Production 1 (TVF100)
Prerequisite: None
This course may be taken for Fine Arts credit (TVF101)

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Film & TV Production 2 (TVF200)
Prerequisite: Film & TV Production 1
This course may be taken for Fine Arts credit (TVF201)

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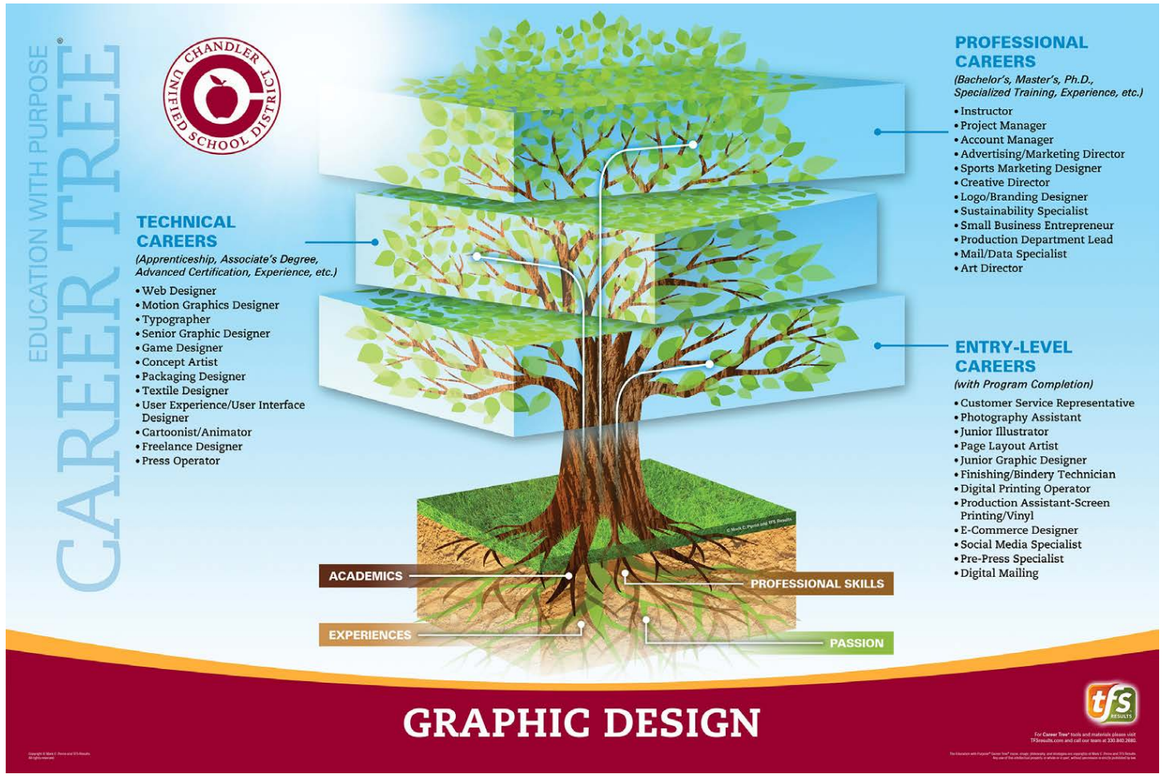
Mentorships Internships Careers (MIC500)
Prerequisite:
Film & TV Production 2,
11th & 12th grade and Instructor approval



Graphic Design Coherent Sequence

Graphic Design 1 (GRD100)
Prerequisite: None

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Graphic Design 2 (GRD200)
Prerequisite: Graphic Design 1

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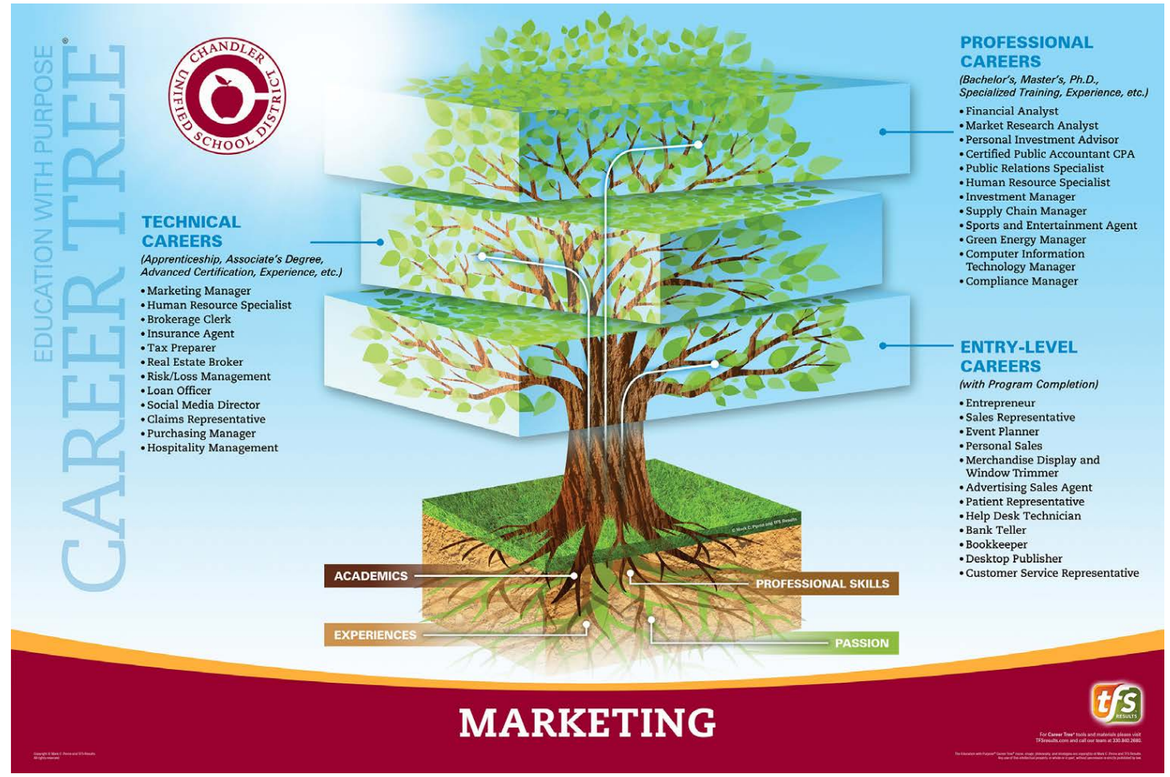
Mentorships Internships Careers (MIC500)
Prerequisite:
Graphic Design 2,
11th & 12th grade and Instructor approval



Marketing Coherent Sequence

Marketing 1 (MRK200)
Prerequisite: None

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Marketing 2 (MRK330)
Prerequisite: Marketing 1

↓

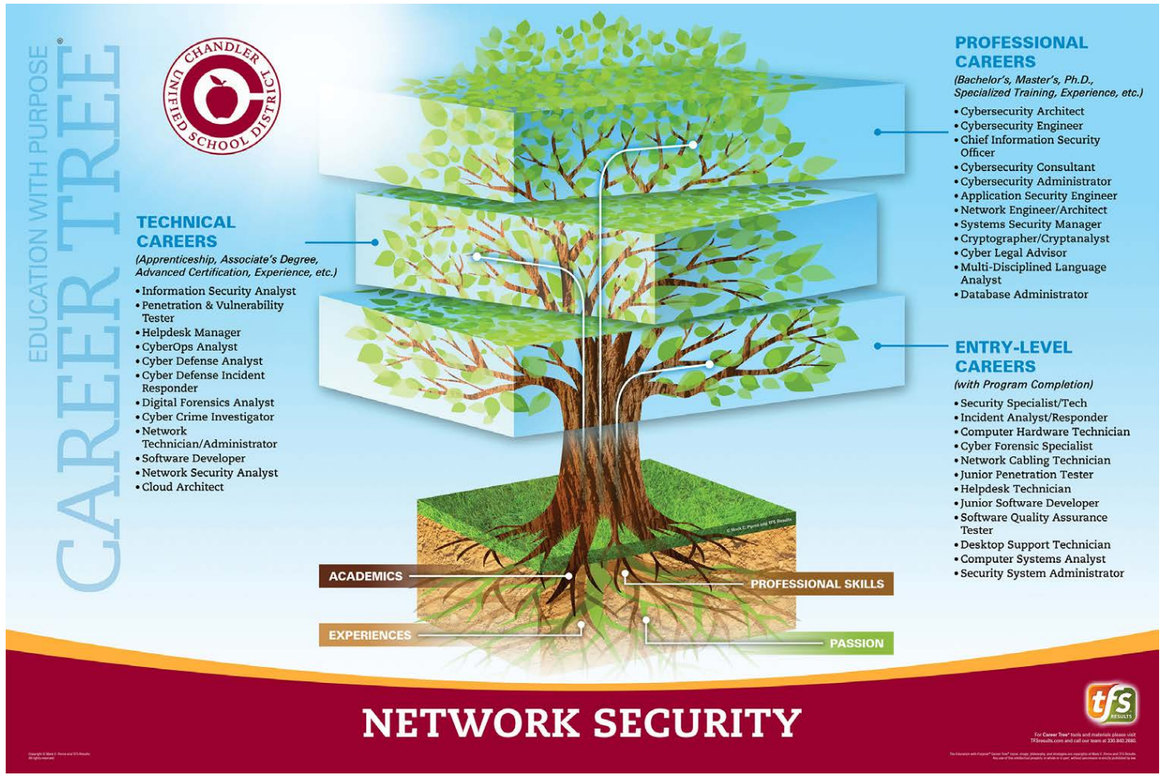
School Based Enterprise (MRK300)
Prerequisite:
Concurrent enrollment or completion of Marketing 2

&/OR

Marketing and Economics Applications (MRK420)
Prerequisite:
Marketing 2 and 12th grade

&/OR

Mentorships Internships Careers (MIC500)
Prerequisite:
Marketing 2,
Instructor approval
11th and 12th grade



Institute of Cyber Operations & Network

(ADE Network Security program) Coherent Sequence

Honors Introduction to Computer Systems (CYB120)
Prerequisite: None

&

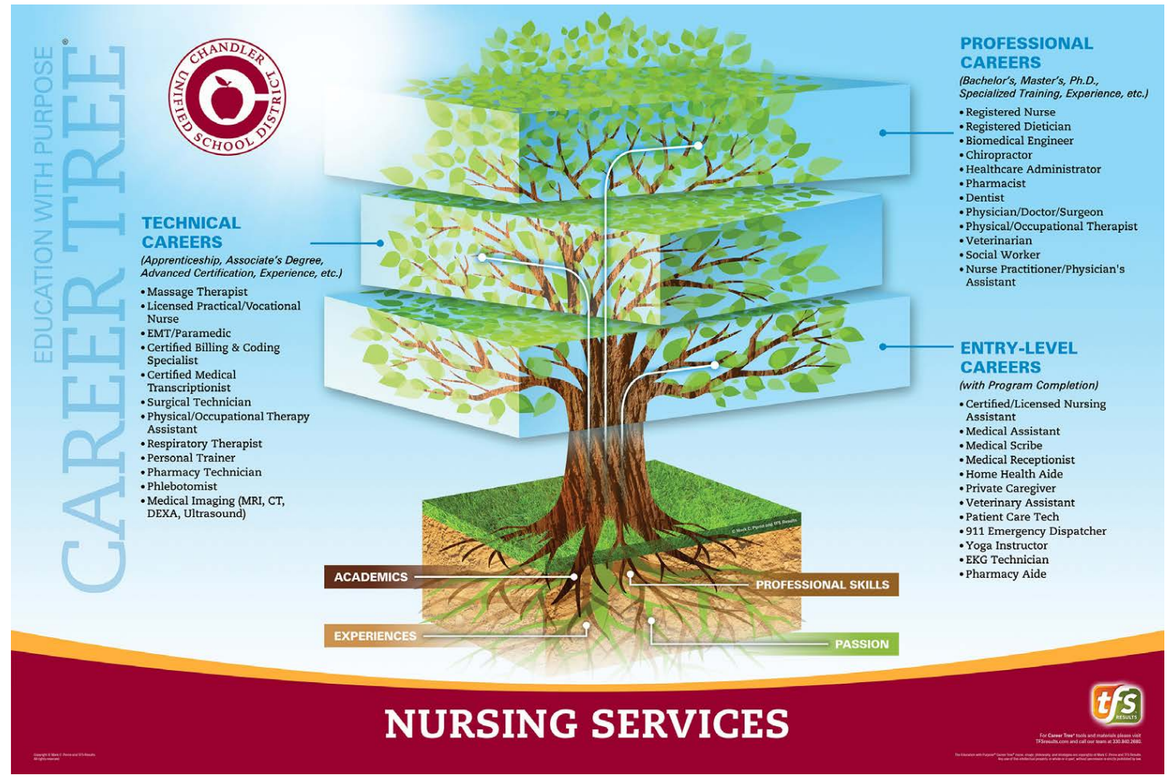
Honors Hardware & Software Config & Support (CYB230)
Prerequisite: Concurrent enrollment or completion of Honors Introduction to Computer Systems

Honors Intro to LAN & Security Fundamentals (CYB240)
Prerequisite: Completion of Honors Hardware & Software Config & Support

Honors Linux OS & Advanced Linux (CYB300)
Prerequisite: Concurrent enrollment or completion of Honors Intro to LAN & Security Fundamentals

Honors Security Fundamentals and Ethics in IT (CYB400)
Prerequisite: Concurrent enrollment or completion of Honors Linux OS & Advanced Linux

Mentorships Internships Careers (MIC500)
Prerequisite:
Honors Intro to LAN & Security Fundamentals
11th &12th grade
and Instructor approval



Medical Professions (ADE Nursing Services Program) Coherent Sequence

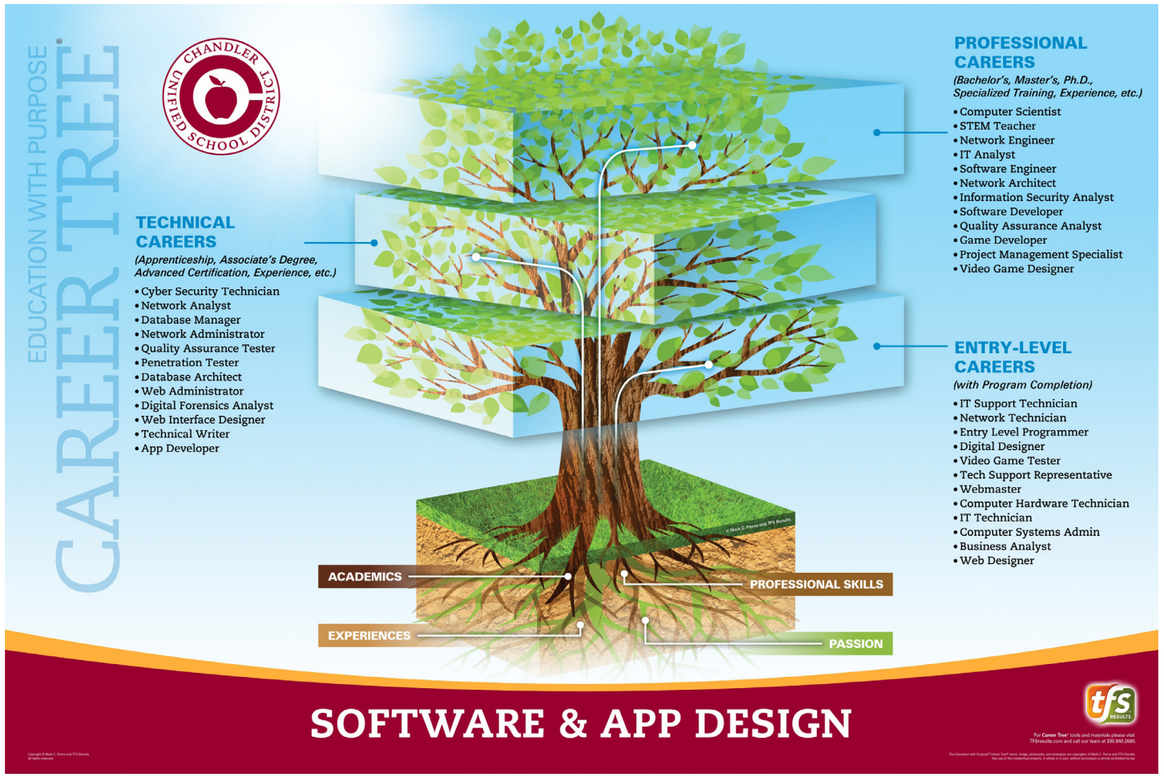
Medical Professions 1 (NUR300)
Prerequisite: None
Grades: 11

Medical Professions 2 (NUR400)
Prerequisite: Medical Professions 1 and Instructor approval
Recommended: Anatomy and Physiology

Mentorships Internships Careers (MIC500)
Prerequisite:
Concurrent enrollment in Medical Professions 2,
12th grade and Instructor approval

Semiconductor Career Tree

Coming Soon!



Semiconductors Coherent Sequence

Honors Semiconductors 1 (SMI305)
Prerequisite: None

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Honors Semiconductors 2 (SMI405)
Prerequisite: None
Prerequisite: Honors Semiconductors 1

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Mentorships Internships Careers (MIC500)
Prerequisite:
Honors Semiconductors 2,
11th & 12th grade and Instructor approval

Software & App Design Coherent Sequence

AP Computer Science Principles 1 (CSC125)
Prerequisite: None

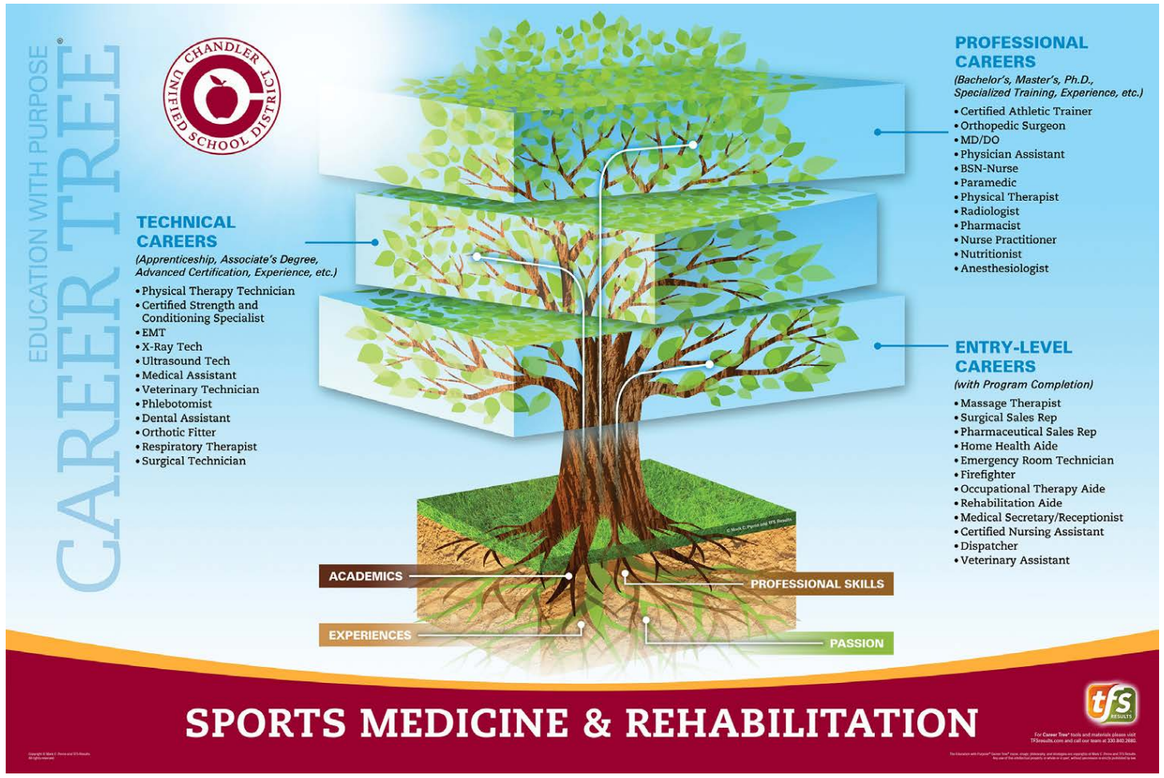
↓

AP Computer Science A (CSC335)
Prerequisite: AP Computer Science Principles 1

PLTW Honors Cyber Security (CSC325)
Prerequisite: AP Computer Science A
Perry Only

&/OR

Mentorships Internships Careers (MIC500)
Prerequisite:
AP Computer Science A,
11th & 12th grade and Instructor approval



Sports Medicine and Rehabilitation Coherent Sequence

Sports Medicine 1 (SPM100)
Prerequisite: None

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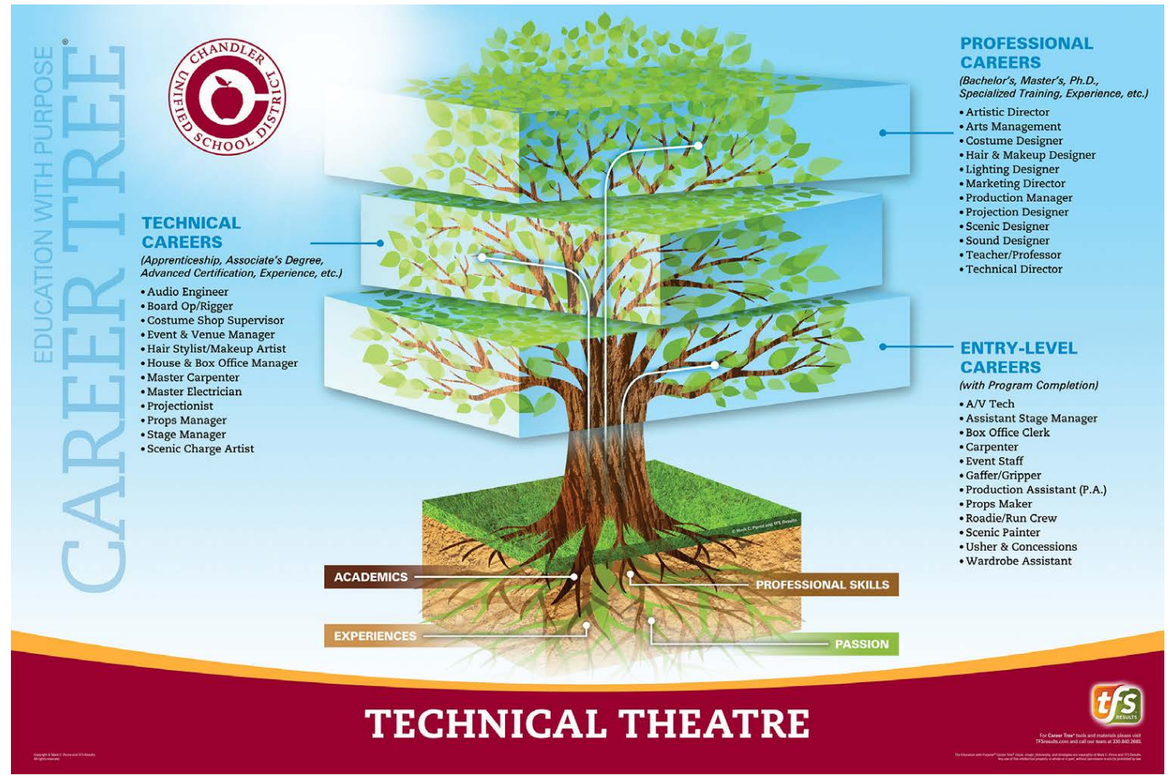
Sports Medicine 2 (SPM200)
Prerequisite: Sports Medicine 1

↓

Mentorships Internships Careers (MIC500)
Prerequisite:
Sports Medicine 2,
11th &12th grade and
Instructor approval



Technical Theatre (ADE Stagecraft Program) Coherent Sequence

Technical Theatre 1 (THR100)
Prerequisite: None
This course may be taken for Fine Arts credit (THR101)

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Technical Theatre 2 (THR200)
Prerequisite: Technical Theatre 1
This course may be taken for Fine Arts credit (THR201)

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Mentorships Internships Careers (MIC500)
Prerequisite:
Technical Theatre 2,
11th & 12th grade and Instructor approval

CTE Programs

Miscellaneous Information

BUILDING FUTURE-READY STUDENTS

AP Studio Art: 2D
Criteria for Instructor Approval

1. Successful completion of Ditgital Photo 1 and 2
2. **OR**
3. *Applies only to 12th graders who have only completed Digital Photo 1.*
   Provide a 24 image portfolio to the instructor which will be evaluated using the Arizona State CTE Digital Photography Grade Scale. The student must score a 3 or 4 on this rubric to be admitted to the course.

Medical Professions 2
Criteria for Instructor Approval & Student Requirements.

This program has strict attendance, dress code and achievement requirements.

1. Successful completion of Medical Professions 1 with a final grade of at least 76% and Basic Life Support (BLS) Certificate.
2. Complete Student Information Form*
3. Copy of Fingerprint Clearance Card. Card cannot expire before June 1, 2025. Obtain the Fingerprint Clearance Card packet and application from the Program Instructor.
4. Complete Halth and Safety Documentation Checklist*
5. Signed Healthcare Provider Signature Form*
6. You will be required by the Clinical Care Facility to show proof of negative drug test result.

   * Refer to the Nursing Assistant Program Manual for more information and/or contact the instructor.

Failure to meet above requirements will result in non-admission to the program.

Off-site clinical training:

1. Outside of class time
2. Minimum 40 hours of clinical training
3. No more than 1 absence or 2 tardies
4. Student is responsible for their own transporation to and from clinical training site

Mentorships Internships Careers
Criteria for Instructor Approval & Student Requirements

Enrollment for MIC program requires instructor approval

1. Students must have taken the prerequisite courses in CTE and provide verification of their passing grades.
2. Students must be in 11th (junior) or 12th grade (senior) and at least be 16 years of age.
3. Students must complete a minimum of 120 internship hours 2nd semester, outside of their normal school day in a paid or unpaid position related to their program area.
4. Student must meet on designated dates to complete the required paperwork and lessons. This time can be counted towards their internship hours.

Dual Credit

1. Dual Credit offerings are specific to the teacher and the school
2. Please contact your HS Counselor to confirm whether the CTE Course is approved for Dual Credit.
3. Additional fees are required

Arizona Board of Regents
In-State University Admissions

Per Arizona Board of Regents (ABOR) Policy 2-121 in-state university admissions now permits CTE Credit or Fine Arts Credit

Notice of Nondiscrimination

Chandler Unified School District does not discriminate on the basis of race, color, ethnicity, national origin, religion, sex or gender, sexual orientation, disability or age in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. The following persons have been designated to handle inquiries regarding the nondiscrimination policies:

Compliance officers for Title IX Notice of Non-discrimination:
www.cusd80.com/nondiscrimination

Dan Serrano
Title IX Coordinator
1525 W Frye Rd.
Chandler, AZ 85224
(480) 812-7038

Dr. Jeff Filloon
Executive Director of Human Resources
1525 W Frye Rd.
Chandler, AZ 85224
(480) 812-7640

Compliance officers for Section 504

Dr. Kymberly Marshall
Executive Director of Student Services
1525 W Frye Rd.
Chandler, AZ 85224
(480) 812-7560

Aviso de no discriminación

Distrito Escolar Unificado de Chandler no discriminan en base de raza, color, etnia, origen nacional, religión, sexo o género, orientación sexual, discapacidad o edad en sus programas y actividades, proporcionan acceso en condiciones de igualdad a los Boy Scouts y otros grupos de jóvenes. Las siguientes personas han sido designadas para tratar preguntas en cuanto a las políticas de no discriminación:

Funcionario de Cumplimiento de Título IX
www.cusd80.com/nondiscrimination

Dan Serrano
Coordinador del Título IX
1525 W Frye Rd.
Chandler, AZ 85224
(480) 812-7038

Dr. Jeff Filloon
Director de Recursos Humanos
1525 W Frye Rd.
Chandler, AZ 85224
(480) 812-7640

Funcionario de Cumplimiento para Sección 504

Dr. Kymberly Marshall
Director de Servicios Estudiantiles
1525 W Frye Rd.
Chandler, AZ 85224
(480) 812-7560

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