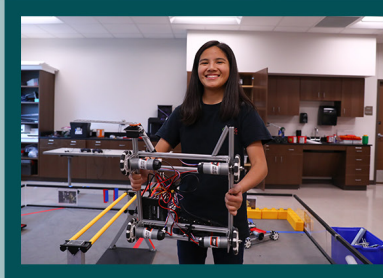




Career & Technical Education

Hurst -Eules-Bedford Independent School District



Your Future Career Starts Here

Career and Technical Education

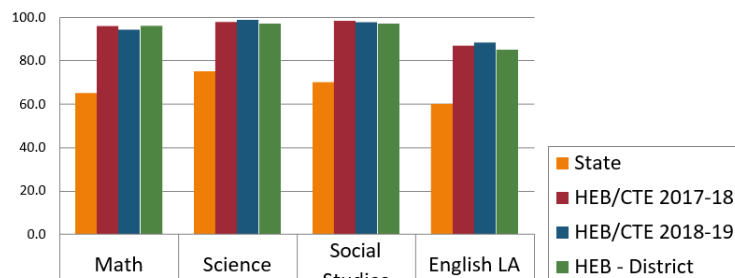
Career Development



HEB ISD students have multiple opportunities to visit the Gene A. Bunger CTE Academy and explore what Career and Technical Education has to offer.

- 6th grade students tour the campus to see the programs offered
- 7th grade students can attend a summer camp on campus and interact with program instructors in hands-on activities
- Students may begin taking some CTE courses as early as the 7th grade on their junior high school campus

of (Intent Code 2) CTE Students (Grades 9-11) who took/passed the STAAR & STAAR ALT 2 EOC



Career and Technical Education Endorsement Options

Business and Industry

- Architecture and Construction
- Arts, A/V Technology, and Communications
- Business, Management, and Administration
- Hospitality and Tourism
- Information Technology
- Marketing and Finance
- Transportation, Distribution, and Logistics

Public Service

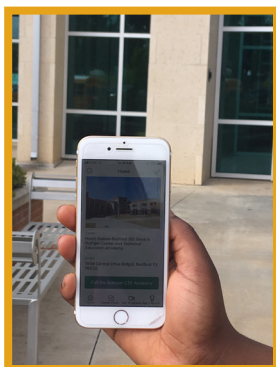
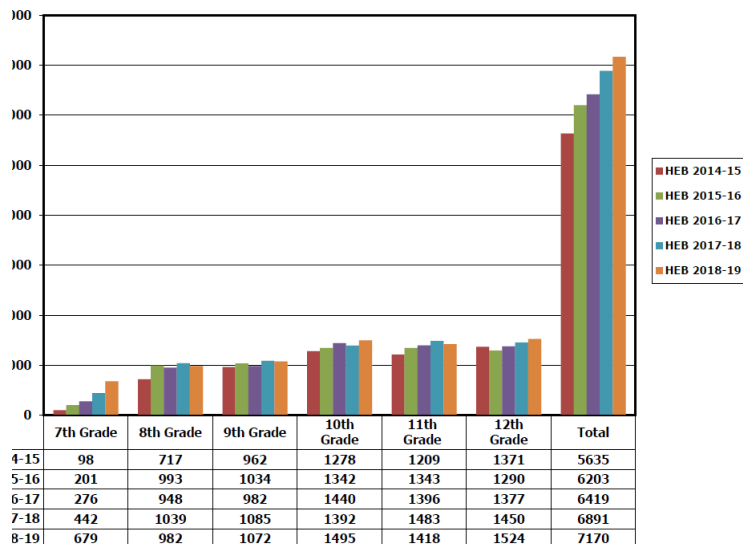
- Education and Training
- Health Science
- Human Services
- Law, Public Safety, Corrections, and Security

STEM

- Science
- Technology
- Engineering
- Mathematics

All Texas high school students are required to declare a chosen program of study, or endorsement, which will help in guiding elective course choices throughout their high school years. Students may earn an endorsement in the Career and Technical Education programs in one of three areas: Business and Industry, Public Service, or STEM.

2014-2015, 2015-2016, 2016-2017 & 2017-2018 PEIMS Data (Summer Submission)
2018-2019 PEIMS Data (Summer Submission)



Use this QR code to install our CTE app on your phone!



Career and Technical Education Student Organizations



Business and Industry

- Art & Anime
- Audio/Video Club
- Auto Tech Club
- Collision Club
- CTF Club
(CyberSecurity Club)
- Culinary Club
- The Design Club
- E-Sports
- Future Business
Leaders of America
- Game Design
and VFX Club

Public Service

- Cosmetology
Haute Club
- Fire Academy
- Future Medical
Professionals
- Law & Public Safety
- Texas Association of
Future Educators

STEM

- Aerospace Club
- BCTEA
Robotics Team
- Engineering and
Architecture Club



BCTEA Student Ambassadors



National Technical Honor Society

CTE Student Industry Certifications

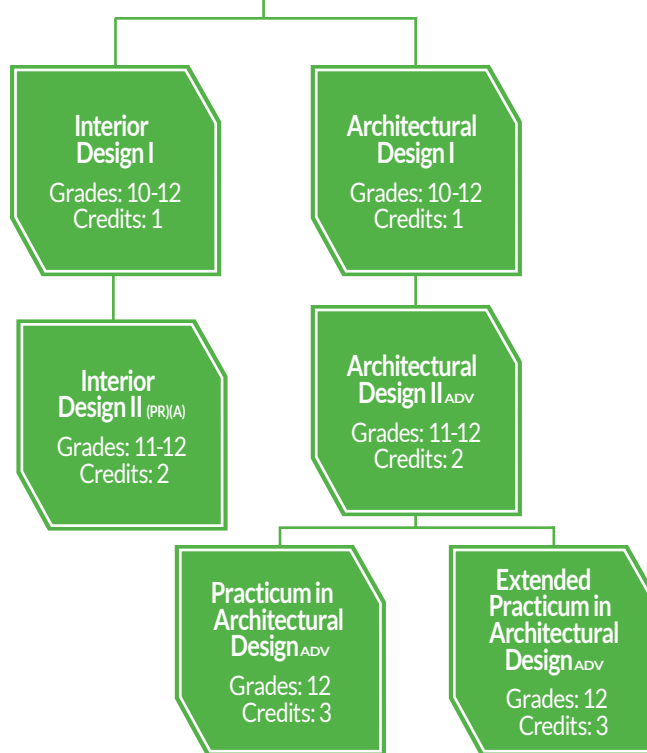


Student organizations support the student's commitment to their program through a variety of activities that include community projects as well as district, state and national competitions. While participating in a club focused on their area of learning, students may also be nominated to the National Technical Honor Society.

A select group of students is chosen from those involved in the programs offered at the Buinger CTE Academy. These students are trained to be ambassadors for and give tours of the BCTEA campus to visitors as well as elementary and junior high students.

Business and Industry Endorsement

Architecture and Construction



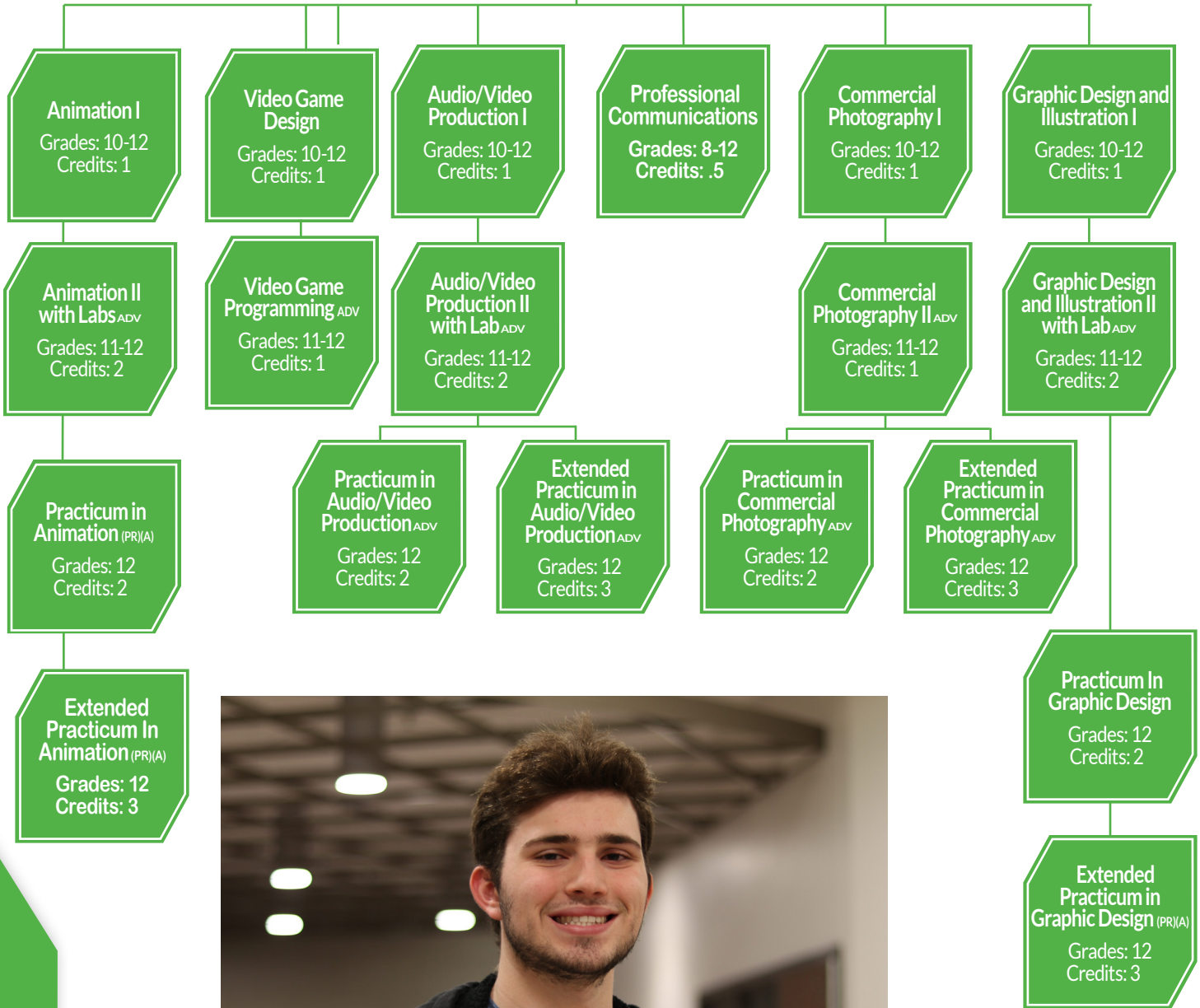
Architecture 2 Class Field Trip To
Huckabee Architecture

Cluster Overview: Prepare for a career in planning, building, design, or construction; train and earn industry certifications on software programs such as CAD, Autodesk Inventor Professional and Revit Architecture.

Certifications: Autodesk Inventor Certification; Autodesk Revit Certification; OSHA/CareerSafe Certification

Career Opportunities: Architect; Interior Designer; Computer-Aided Drafter; Environmental Engineer; Carpenter; Landscape Designer; Project Inspector; Demolition Engineer; Architectural and Engineering Manager; Electrician

Arts, A/V Technology, and Communications



Blake Painter
Class of 2020

University of Texas - Austin
Arts & Entertainment
Technology

Arts, A/V Technology,
and Communications

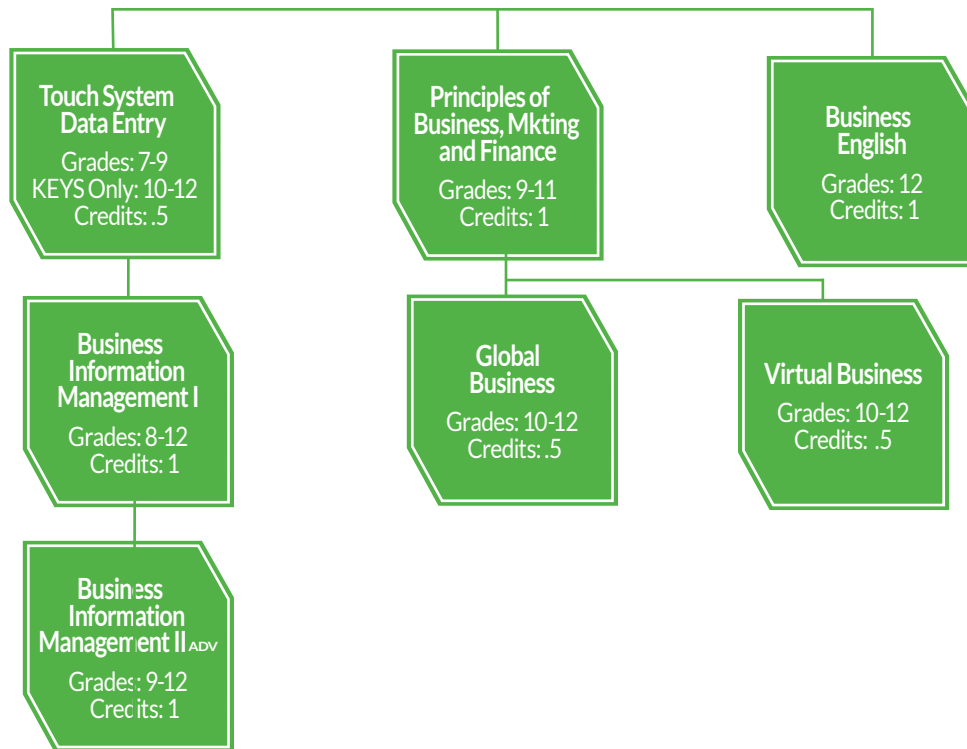
Cluster Overview: Use your creative talents as you explore the technical aspects of the multimedia arts using the latest equipment in videography, TV studio operations, video game design, commercial photography, graphic design and computer animation.

Certifications: Adobe Photoshop Certification; Adobe Animate Certification; Cyber Safety Certification; Adobe Premiere Pro Certification; OSHA/CareerSafe Certification

Career Opportunities: Art Director; Audio and Video Equipment Technician; Broadcast News Analyst; Reporter; Game Designer; Film and Video Editor; Broadcast Field Supervisor; News Director or Producer; Graphic Designer; Digital or 3-D Animator; Videographer; Graphic Designer

Business and Industry Endorsement

Business, Management, and Administration



Colin Arnwine
Class of 2021

Abby Hernandez
Class of 2021



Avery Morrison
Class of 2020

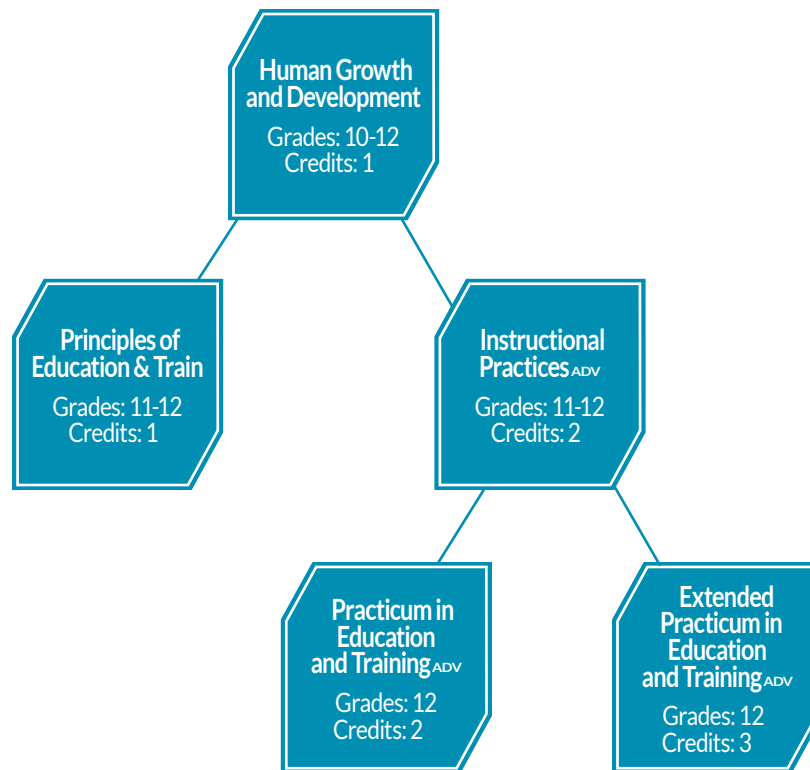
Tarrant County College
Business

Cluster Overview: Prepare to face the challenges of a global economy while earning certifications and acquiring skills essential to productive business operations.

Certifications: Microsoft Office Specialist Certification (MOS) – (Word, Excel, PowerPoint, Access, OneNote, Expert, Master); OSHA/Cyber Safety Certification

Career Opportunities: Entrepreneur; Human Resources Manager; Chief Executive Officer; Administrative Assistant; Public Relations Manager; Marketing Consultant ; Budget Analyst

Education and Training



Madison Lallande
Class of 2021

Delaney Torres
Class of 2021



Rylie Weatherly
Class of 2021

Savannah Lo
Class of 2020

Texas State University
Speech Pathology

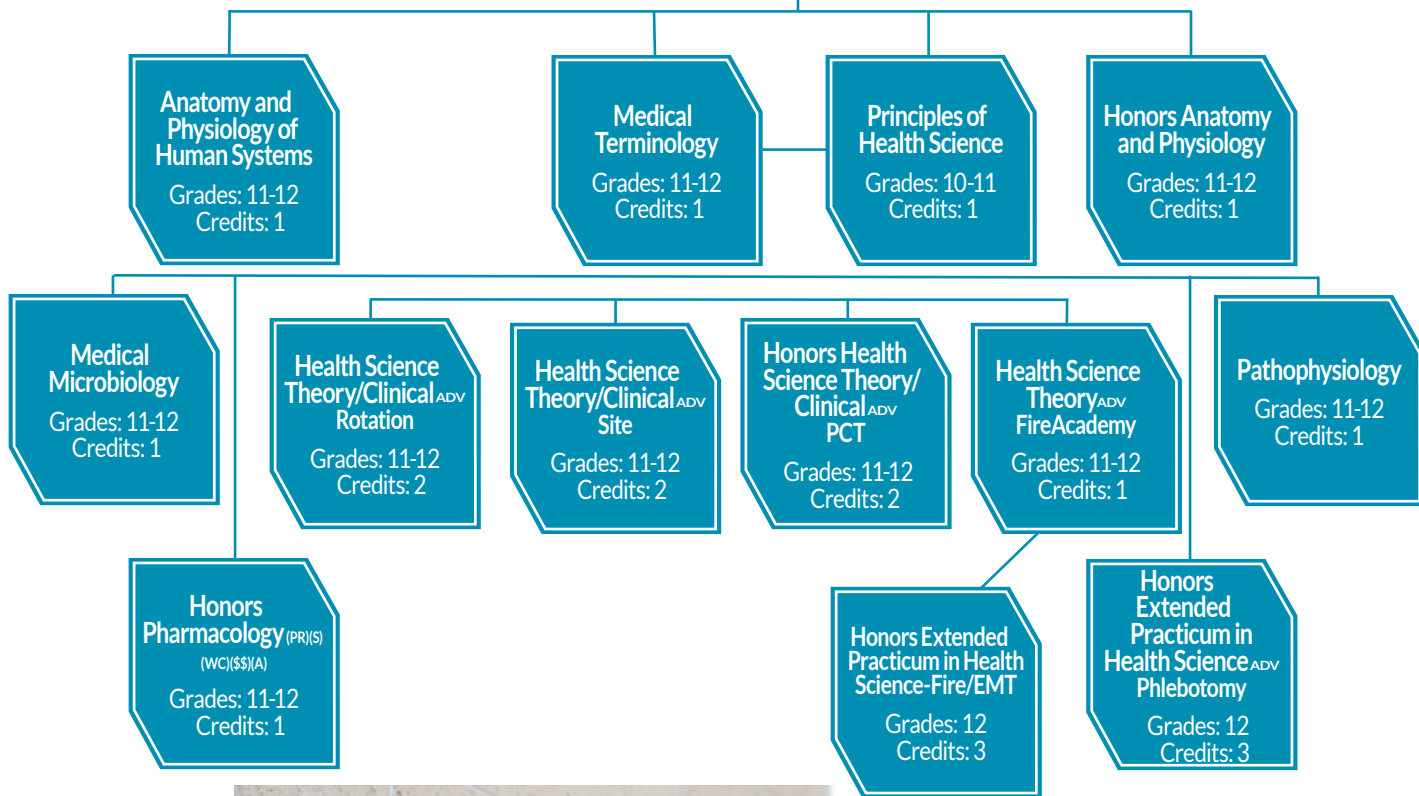
Cluster Overview: Acquire knowledge of child and adolescent development as well as the principles of effective teaching practices through direct training experience including higher-level practicum courses which provide the opportunity to assist teachers in the classroom on elementary and junior high campuses.

Certifications: American Heart Association CPR Certification; American Heart Association First Aid Certification, Educational Aide I

Career Opportunities: Teacher/Aide; Child Care Director; Clinical Psychologist; Management Development Trainer; Principal; Speech-Language Pathologist; Audiologist; Counselor; Childcare Facility Director

Public Service Endorsement

Health Science



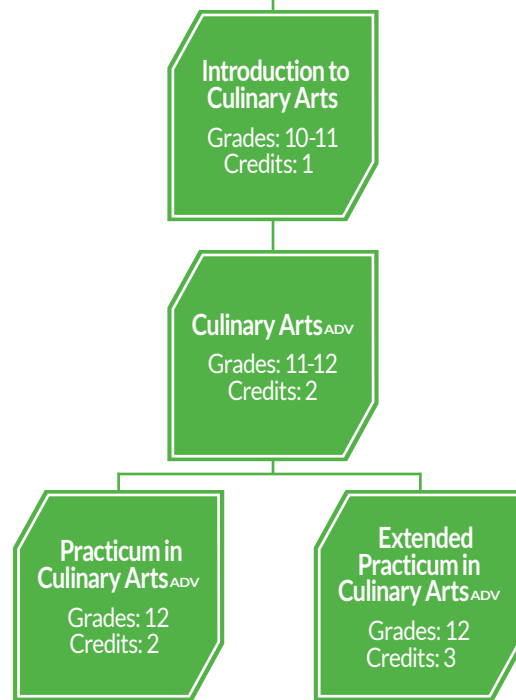
Jebin Thomas
Class of 2021

Cluster Overview: Learn the concepts of health care delivery and develop clinical skills in patient care. You could be teaming with community partners for hospital and clinical experiences.

Certifications: American Heart Association CPR Certification; American Heart Association First Aid Certification; OSHA/CareerSafe Certification; Pharmacy Technician Certification; Phlebotomy Certification; Patient Care Technician, EMT Certification; Certified EKG/ECG Technician Certification

Career Opportunities: Registered Nurse; Physician; Dental Hygienist; Patient Care Technician; EMT; Fire Fighter; Laboratory Technician; Pharmacy Technician; Athletic Trainer; Paramedic; Phlebotomist

Hospitality and Tourism



Erin Brewer
Class of 2020

El Centro College
Culinary

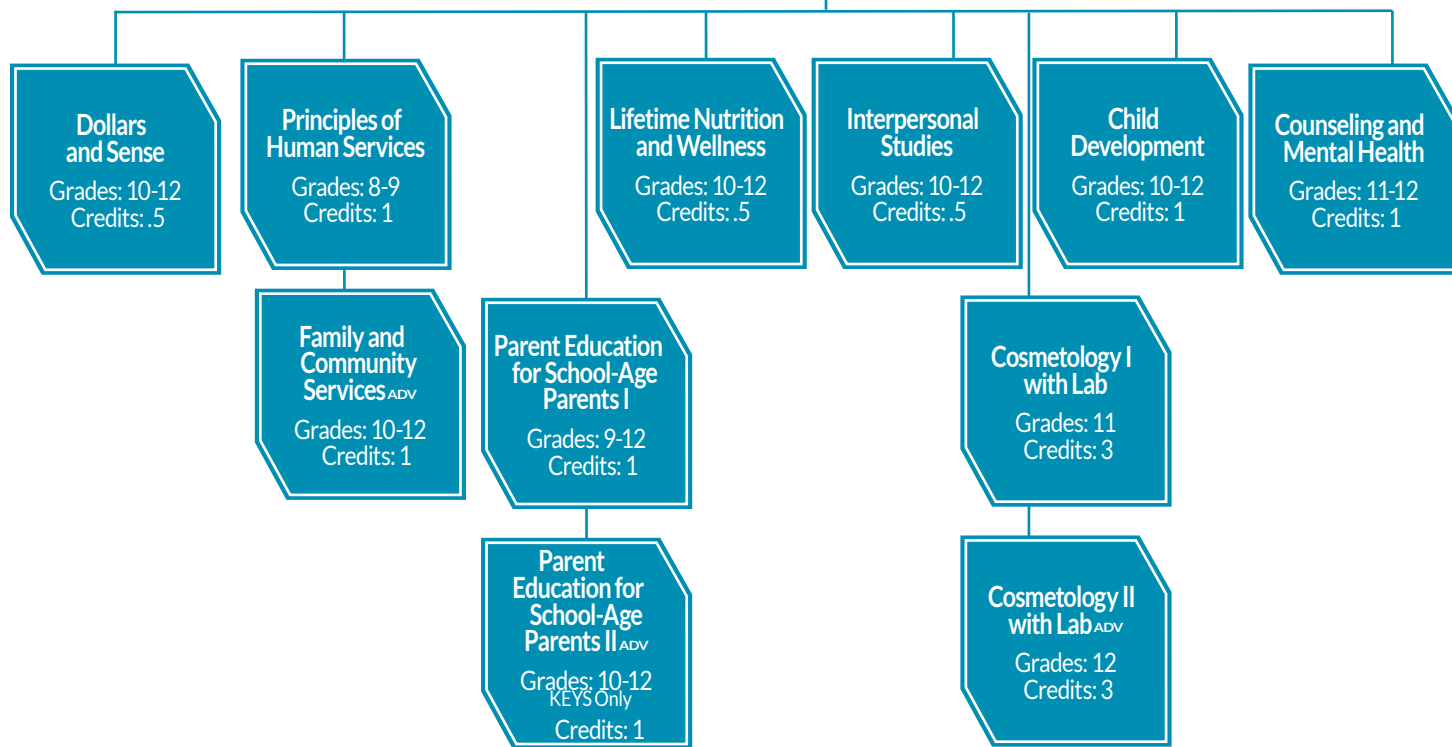
Cluster Overview: Learn the principles of nutrition and enjoy unique experiences in cooking, catering, and other aspects of the hospitality industry in an on-site, fully-functional kitchen.

Certifications: OSHA/CareerSafe Certification; S/P2 Safety Certification - Culinary; Texas Food Handlers Certification

Career Opportunities: Restaurant Owner; Executive Chef; Catering Manager; Event Planner; Bartender; Travel Agent; Convention Services Manager; Hotel, Club, or Resort Manager

Public Service Endorsement

Human Services



NeVaeh Walker
Class of 2021



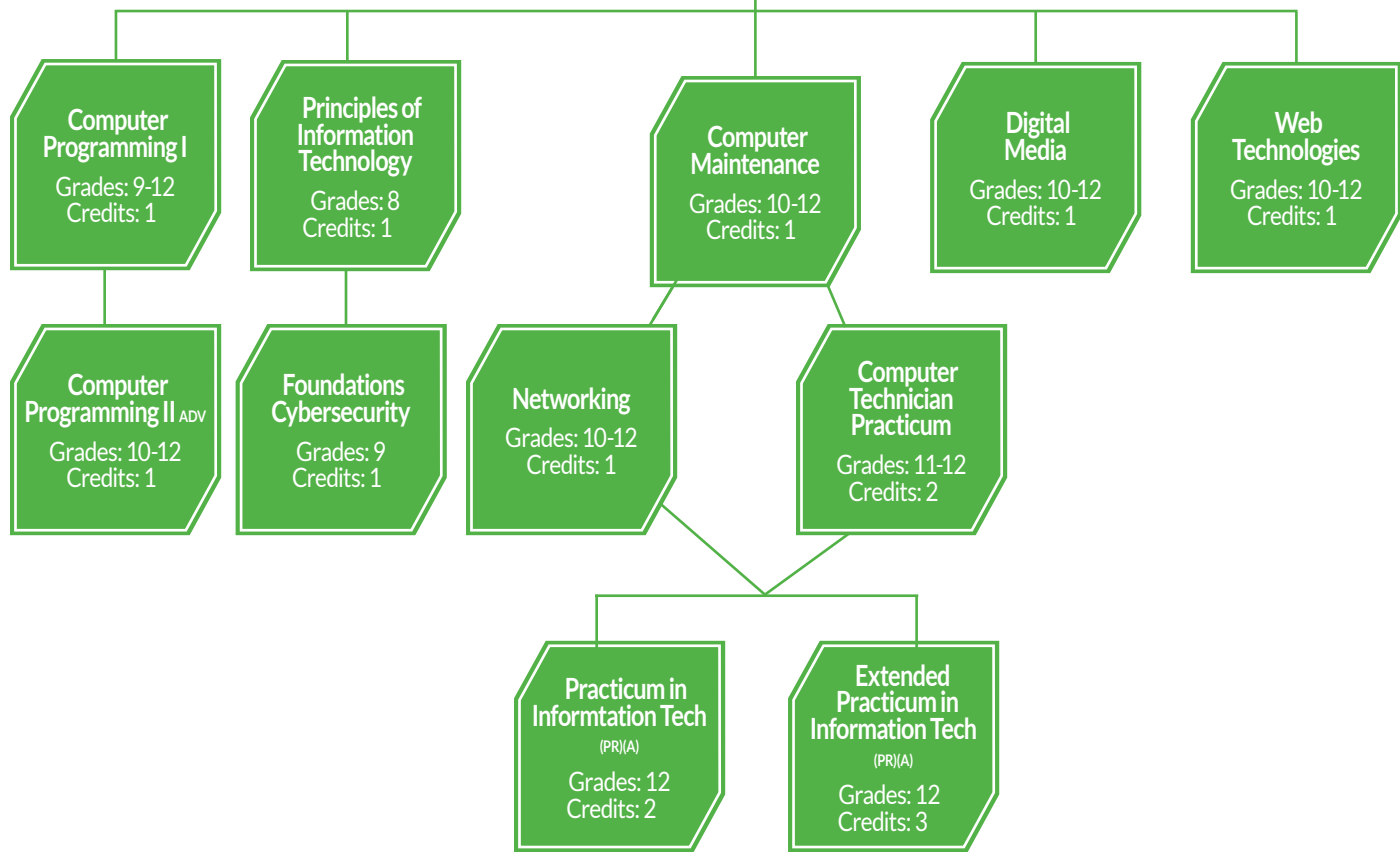
Cluster Overview: Be ready for a future in an array of personal and family services or get the necessary training, hours and experience to take the state examination to become a licensed cosmetologist.

Certifications: American Heart Association CPR Certification; American Heart Association First Aid Certification; Cosmetology - Shampoo Apprentice, Makeup, Nails; OSHA/CareerSafe Certification; S/P2 Safety Certification - Cosmetology; Texas Cosmetology Operator License

Career Opportunities: Childcare Director; Cosmetologist; Clinical Psychologist; Teacher's Assistant; Nutritionist; Behavioral Disorder Counselor; Photo and Movie Stylist; Occupational Therapist; Skincare Specialist

Business and Industry Endorsement

Information Technology



William McGee
Class of 2020

Technology Entrepreneur



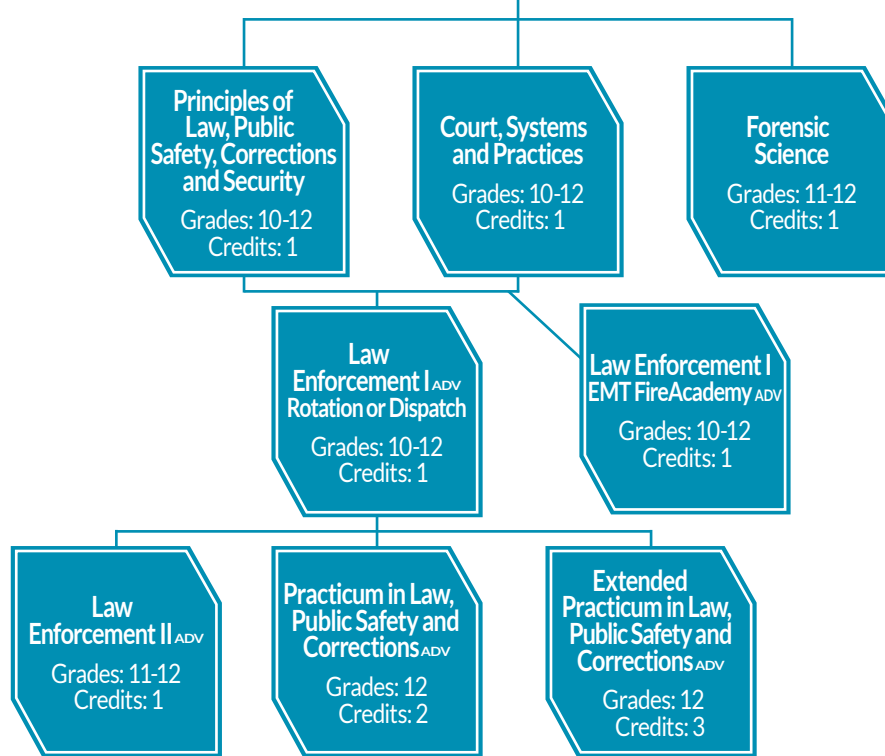
Cluster Overview: Master the design, development and management of hardware, software, and systems integration services while building computers and maintaining a network in a classroom environment.

Certifications: Cisco IT Essentials Certification; Comp TIA A+ Certification; OSHA/CareerSafe Certification; OSHA/Cyber Safety Certification

Career Opportunities: Network Administrator; Data Communications Analyst; Computer Support Specialist; Cybersecurity Analyst; Webmaster; Computer Programmer; Computer Forensics Investigator

Public Service Endorsement

Law & Public Service



Esteban Acosta
Class of 2020

Tarrant County College
Criminology



Laila Brown
Class of 2021

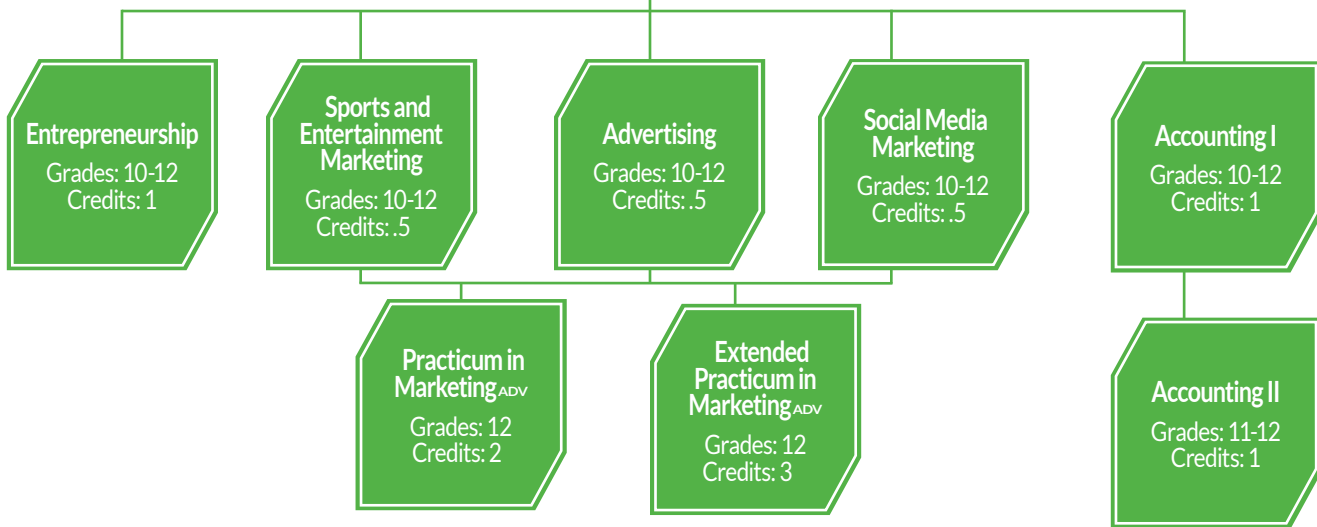
Cluster Overview: Prepare for careers in the legal, public safety, homeland security and protection fields and partner with the Hurst, Euless and Bedford Police Departments for a complete learning experience.

Certifications: American Heart Association CPR Certification; OSHA/CareerSafe Certification; OSHA/Cyber Safety Certification; FAA Part 107 Remote Drone Pilot

Career Opportunities: Paralegal; Public Information Officer; Police/Patrol/Corrections Officer; Forensics Investigator; Judge; Fire Fighter/Investigator; 911 Dispatcher; Attorney; Criminal Investigator; Special Agent

Business and Industry Endorsement

Marketing and Finance



Sabrina Guevara
Class of 2020

Tarrant County College
Business

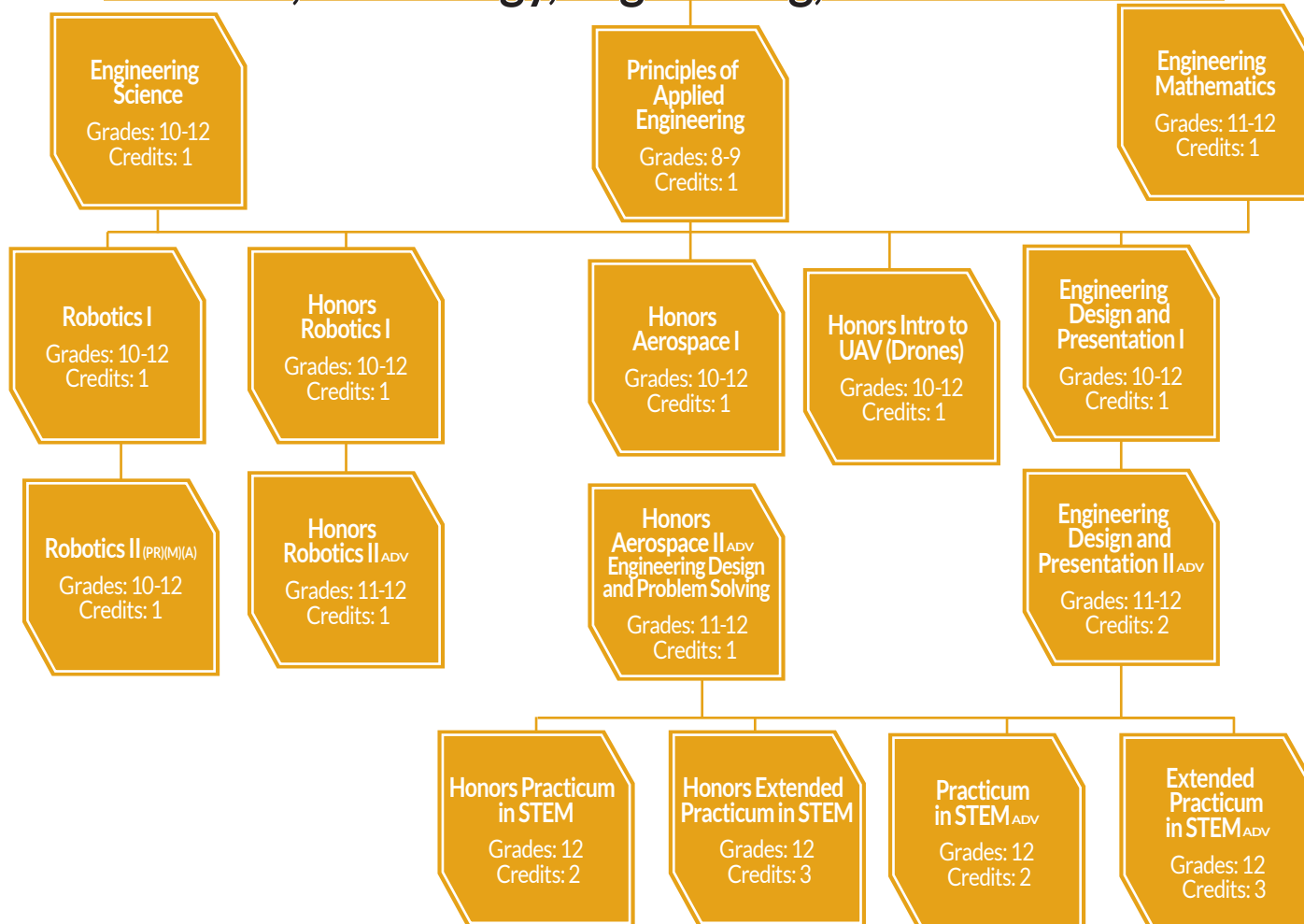
Cluster Overview: Lay the foundation for success in personal affairs and the business world with specific skills in organization, communication, public relations, marketing, promotion, and financial management.

Certifications: Microsoft Office Specialist Certification (MOS) – (Word, Excel, PowerPoint, Access, OneNote, Expert, Master); STUKENT-Student Social Media Marketing Certification; OSHA/Cyber Safety Certification

Career Opportunities: Financial Advisor; Small Business Owner; Marketing or Public Relations Manager; Accountant; Advertising Account Executive; Financial Analyst; Social Media Marketer

STEM Endorsement

Science, Technology, Engineering, and Mathematics



Jennifer Perez
Class of 2022

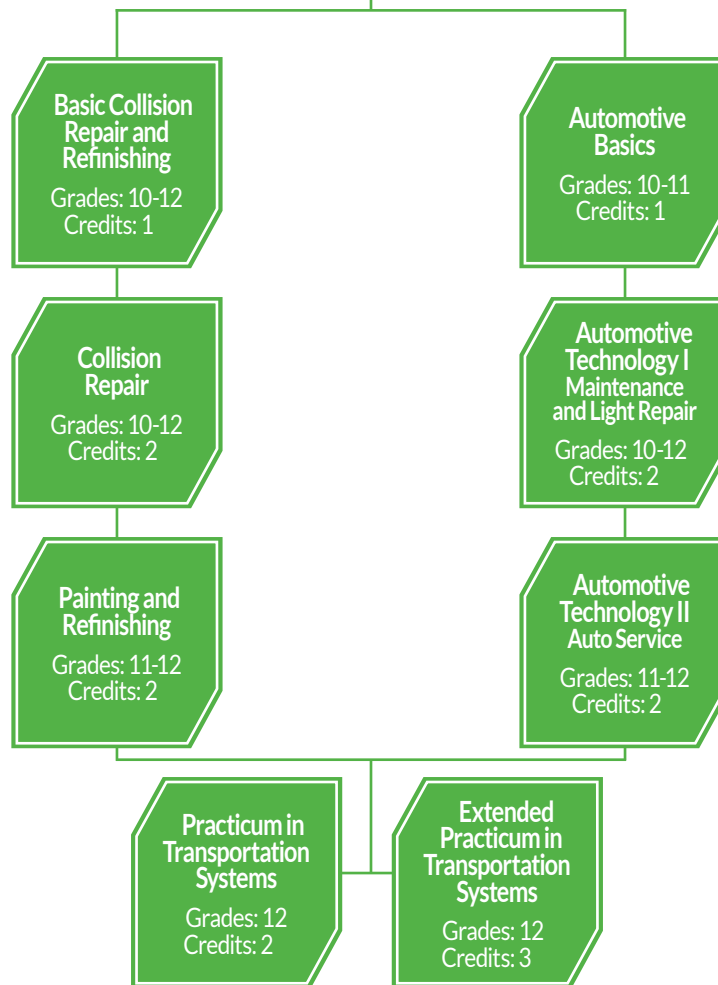
Science, Technology,
Engineering and Mathematics

Cluster Overview: Practice technology applications and simulate activities found in business and industry using the latest software programs and produce an assortment of projects to prepare for entry-level positions in a variety of STEM fields.

Certifications: Autodesk Inventor Certification; Autodesk Revit Certification; OSHA/CareerSafe Certification; OSHA/Cyber Safety Certification; FAA Part 107 Remote Drone Pilot

Career Opportunities: Operations Research Analyst; Chemist; Natural Sciences Manager; Statistician; Geoscientist; Actuary; Mathematician; Quality-Control Scientist; Aeronautical, Biomedical, Nuclear, Petroleum, or Robotics Engineer

Transportation, Distribution, and Logistics



Bailey Laxton
Class of 2020

Cluster Overview: Experience hands-on training in a state of the art facility using industry-recognized equipment to develop technical and trouble-shooting skills.

Certifications: Automotive Service Excellence (ASE) Student Certification; Brakes, Engine Repair, Painting & Refinishing Structural Analysis & Damage Repair; SP/2 Safety Certification - Automotive

Career Opportunities: Automotive Service Technician/Mechanic; Industrial Machinery Mechanic; Naval Architect; Insurance Estimator; Welder; Aerospace Engineer; Collision Repair Technician

STEM Endorsement Technology Applications

PreAP/IB
Computer Science I
Grades: 9-12
Credits: 1

AP Computer
Science Principles
Grades: 10-12
Credits: 1

Dual Credit
Computer Science
Grades: 12
Credits: 1

IB information
Tech in a Global
Society-SL
Grades: 11-12
Credits: 1-1.5

IB information
Tech in a Global
Society-HL
Grades: 11-12
Credits: 1-1.5

AP/IB Computer
Science II
Grades: 11-12
Credits: 1

AP/IB Computer
Science III
Grades: 11-12
Credits: 1



Kierra Ashford
Class of 2020

University of Texas - Austin
Computational Engineering

Cluster Overview: The Science, Technology, Engineering and Math (STEM) endorsement in HEB ISD is a curriculum path that allows for a student to focus deeply on courses directly related to science, technology, engineering, and advanced math.

Career Opportunities: Video Game Programmer; Mobile App designer, Software Developer; Artificial Intelligence; Operations Research Analyst; Chemist; Natural Sciences Manager; Statistician; Geoscientist; Actuary; Mathematician; Quality-Control Scientist; Aeronautical, Biomedical, Nuclear, Petroleum, or Robotics Engineer

Course Name	Grade	Credit	Slots
<u>Architecture and Construction</u>			
Architectural Design I (TC)	10-12	1	2
Architectural Design II (A)(PR)	11-12	2	4
Interior Design I	10-12	1	2
Interior Design II	11-12	2	2
Practicum in Arch Design (A)(PR)	12	2	4
Extended Practicum Arch Design (A)(PR)	12	3	6
<u>Arts, A/V Technology and Communications</u>			
Professional Communications (SP)	8-12	1/2	1
Animation I (TC)	10-12	1	2
Animation II with Lab (A)(PR)	11-12	2	4
Video Game Design (A)(PR)	10-12	1	2
Video Game Programming (PR)(A)	11-12	1	2
Practicum In Animation (PR)(A)	12	2	4
Ext Prac In Animation (PR)(A)	12	3	6
Graphic Design and Illustration I (TC)	10-12	1	2
Graphic Design and Illustration II with Lab (A)(PR)	11-12	2	4
Practicum In Graphic Design (PR)(A)	12	2	4
Ext Prac In Graphic Design (PR)(A)	12	3	6
Audio/Video Production I (TC)	10-12	1	2
Audio/Video Prod II with Lab (A)(PR)	11-12	2	4
Practicum A/V Production (A)(PR)	12	2	4
Extended Practicum in Audio/Video Production (A)(PR)	12	3	6
Commercial Photography I (THS only)	10-12	1	2
Comm Photography II (A)(PR)(THS only)	11-12	1	2
Practicum in Comm Photo (A)(PR)(THS only)	12	2	4
Ext Prac In Comm Photo (PR)(A)(THS Only)	12	3	6
<u>Business, Management and Administration</u>			
Principles of Business, Marketing, and Finance	9-11	1	2†
Touch System Data Entry (10-12 KEYS ONLY)	7-9	1/2	1†
Business Info Management I (TC)	8-12	1	2†
Business Info Management II (A)(PR)(WC)	10-12	1	2
Global Business	10-12	1/2	1
Virtual Business	10-12	1/2	1
Business English (E)(PR)	12	1	2
<u>Career Development</u>			
College and Career Readiness	7-8		1†
Investigating Careers	7-8		1†

Course Name	Grade	Credit	Slots
<u>Education and Training</u>			
Human Growth and Development (HE)	10-12	1	2
Principles of Education & Train	11-12	1	2
Instructional Practices	11-12	2	4
Practicum in Educ and Train (A)(PR)	12	2	4
Extended Practicum in Education and Training (A)(PR)	12	3	6
<u>Health Science</u>			
Principles of Health Science (HE)	10-11	1	2
Medical Terminology (\$\$)	11-12	1	2
Health Science Theory/ Clinical Rotation (A)(PR)(S)(WC)(\$\$)	11-12	2	4
Health Science Theory/ Clinical Site (A)(PR)(S)(WC)(\$\$)	11-12	2	4
Health Sci Theory Fire/Emt (PR)(\$\$)(A)	11-12	1	2
Honors Health Science Theory/Clin PCT (PR)(\$\$)(WC)(A)	11-12	2	4
Honors Pharmacology (PR)(WC)(\$\$)(A)	11-12	1	2
Honors Ext Prac Health Science/ Phlebotomy (A)(PR)(S)(WC)(\$\$)	12	3	6
Honors Ext Prac In Heal Sci-Fire/EMT (PR)(\$\$)(WC)(A)	12	3	6
Medical Microbiology (PR)(SC)	11-12	1	2
Pathophysiology (PR)(SC)	11-12	1	2
Honors Anatomy & Physiology (PR)(SC)(WC)	11-12	1	2
Anatomy and Physiology (PR)(SC)	11-12	1	2
<u>Hospitality and Tourism</u>			
Introduction to Culinary Arts	10-12	1	2
Culinary Arts (A)(S)(\$\$)	11-12	2	4
Practicum in Culinary Arts (A)(PR)(S)	12	2	4
Extended Practicum in Culinary Arts (A)(PR)(S)	12	3	6
<u>Human Services</u>			
Principles of Human Services (HE)	9	1	2†
Child Development	10-12	1	2
Cosmetology I with Lab (HE)(\$\$)	11	3	6
Cosmetology II with Lab (A)(PR)(\$\$)	12	3	6
Counseling and Mental Health (HE)	11-12	1	2
Dollars and Sense	10-12	1/2	1
Family & Community Services (A)(PR)	10-12	1	2
Interpersonal Studies	10-12	1/2	1
Lifetime Nutrition and Wellness	10-12	1/2	1
Parent Education for School Age Parents I & II (PR)(A)(KEYS)	9-12	1	2



Magazine Editor: Allan Songer
Class of 2020

Tarrant County College
Graphic Communications

TEXAS CTE

Your Journey Starts Here.



Career and Technical Education
Bunger CTE Academy

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@BCTEAcademy on Twitter

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