

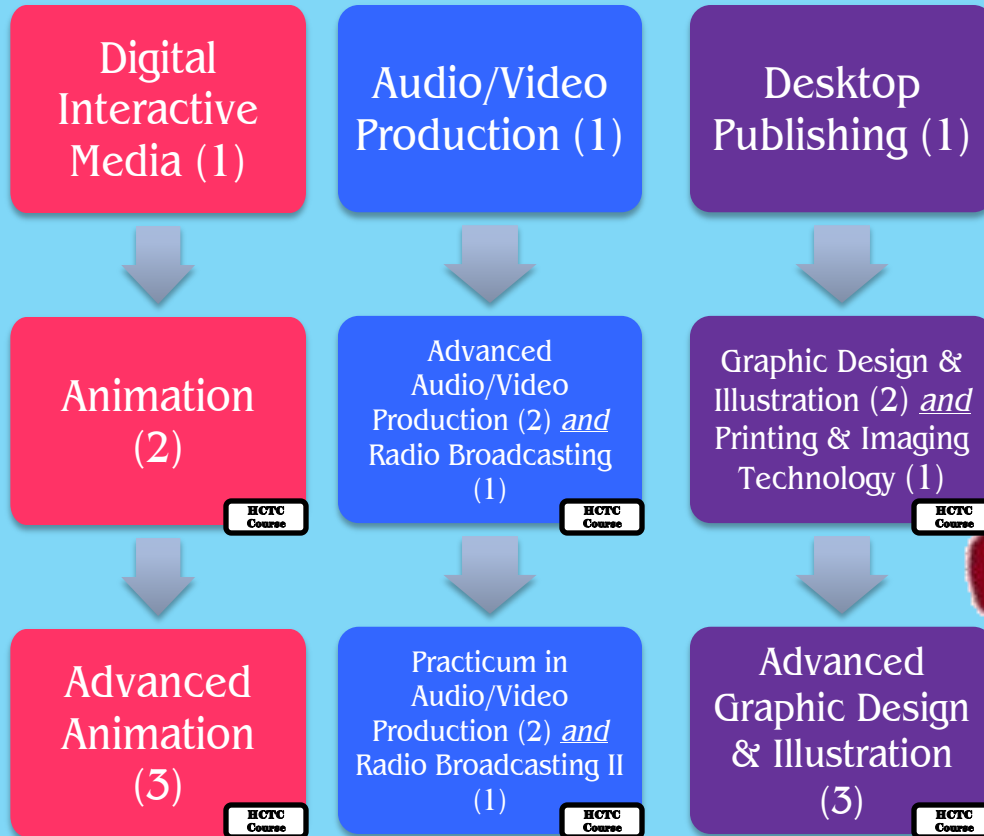


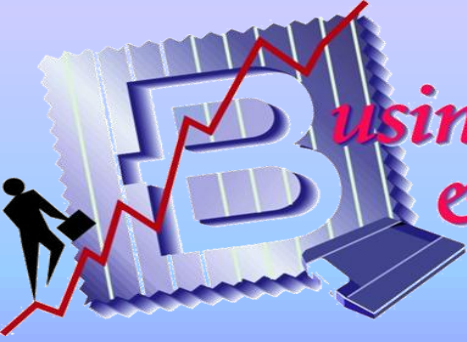
Arts, A/V Technology & Communications

The Arts, A/V Technology and Communications pathway emphasizes careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content. Students can participate in Skills USA while working through this pathway. Print Ed Digital Production Printing, Adobe Certified Associate, and Occupational Safety and Health Administration (OSHA) are among the certifications students may acquire by completing the Arts, A/V Technology and Communications pathway.



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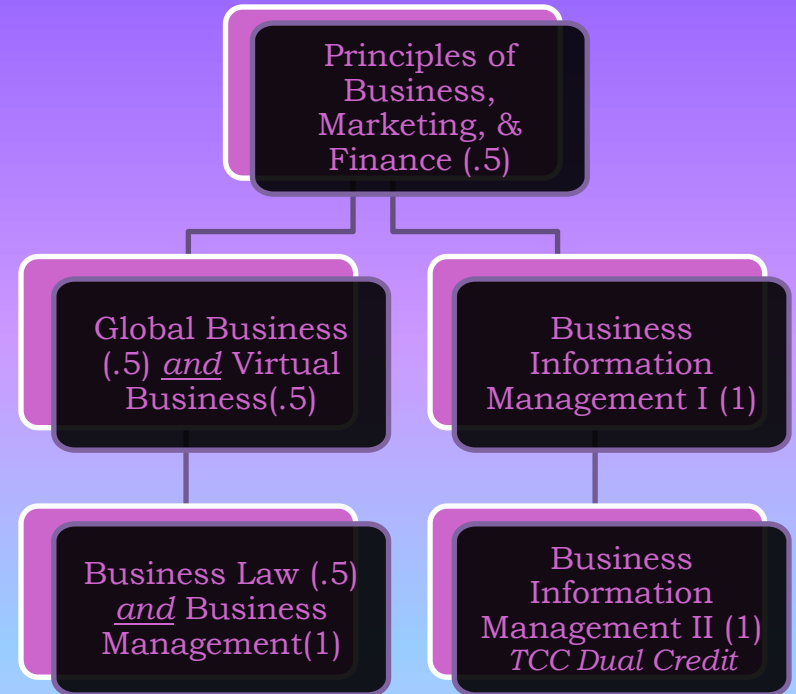
Business Management & Administration

The Business, Management, and Administration pathway allows students to gain knowledge and skills in private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Business Management and Administration career opportunities are available in every sector of the economy. Business Professionals of America will offer students the opportunity to connect with likeminded students and participate in various business competitions. Students completing the Business, Management, and Administration pathways have the opportunity to receive IC3 and Microsoft Office User Specialist (MOS) certifications. They will also have the opportunity earn dual credit through BIM II.



Career Opportunities:

- Business Management
- Human Resources Manager
- Administrative Assistant
- Advertising Sales Person
- Business Consultant
- Corporate Trainer
- E-Commerce Analyst
- Entrepreneur
- Office Manager
- Personnel Recruiter
- Public Relations Manager



The mission of Business Professionals of America is to contribute to the preparation of a world-class workforce through the advancement of leadership, citizenship, academic, and technological skills.



The Finance industry encompasses planning, services for financial and investment planning, banking, insurance, and business financial management. Students will acquire knowledge in the economical, financial, technological, international, social, and ethical aspects of the banking and accounting fields. Business Professionals of America will offer students the opportunity to connect with like minded students and participate in various business competitions.

Career Opportunities:

- Accountant
- Actuary
- Bill and Account Collector
- Credit Analyst
- Debt Counselor
- Economist
- Financial Planner
- Internal Auditor
- Loan Officer
- Tax Examiner
- Underwriter

Principles of
Business,
Marketing, &
Finance (.5)

Banking &
Finance (.5)

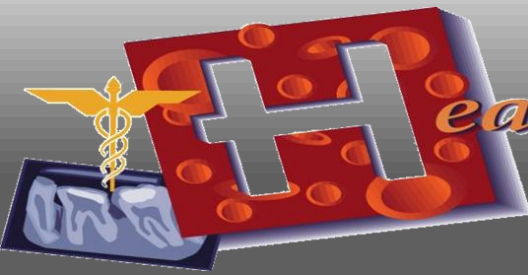
Accounting I
(1)

Accounting II
(1)

BUSINESS
professionals
OF AMERICA

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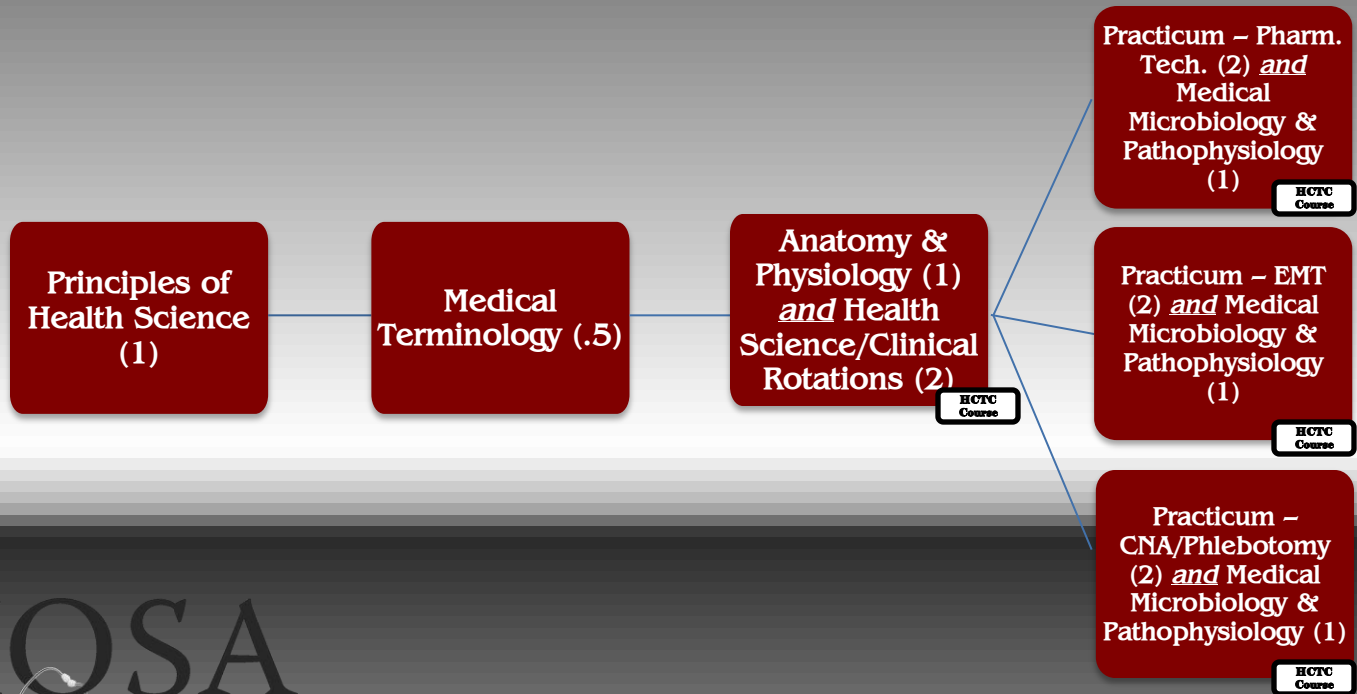


Health Science

The health science industry is comprised of diagnostic, therapeutic, support services, and biotechnology research and development systems that function individually and collaboratively to provide comprehensive health care. Students following this pathway may join HOSA and participate in both HOSA and Skills USA competitions. Upon completion of the Health Science Pathway students may receive their Certified Nurse Assistant, Emergency Medical Attendant, Pharmacy Technician, and OSHA certifications.

Career Opportunities:

- Dental Assistant/Hygienist
- EMT/Paramedic
- Lab Technician
- Phlebotomist
- Registered Nurse
- Athletic Trainer
- Occupational Therapist
- Physician (MD/DO)
- Physician's Assistant
- Radiologist
- Speech/Language Pathologist
- Veterinarian



HOSA

HOSA is a national student organization endorsed by the U.S. Department of Education and the Health Science Education Division of ACTE. HOSA's two-fold mission is to promote career opportunities in the health care industry and to enhance the delivery of quality health care to all people. HOSA's goal is to encourage all health occupations instructors and students to join and be actively involved in the HSE-HOSA Partnership.



Hospitality & Tourism

THE HOSPITALITY AND TOURISM INDUSTRY ENCOMPASSES THE MANAGEMENT, MARKETING, AND OPERATIONS OF RESTAURANTS AND OTHER FOOD SERVICES, LODGING, ATTRACTIONS, RECREATION EVENTS AND TRAVEL RELATED SERVICES. STUDENTS FOLLOWING THIS PATHWAY MAY CHOOSE TO PARTICIPATE IN FAMILY CAREER AND COMMUNITY LEADERS OF AMERICA (FCCLA) AND SKILLS USA. UPON COMPLETION OF THE HOSPITALITY PATHWAY STUDENTS MAY RECEIVE THEIR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND SERVSAFE CERTIFICATIONS.

Principles of Hospitality (.5)



Lifetime Nutrition (.5)



Culinary Arts (2)
and Restaurant Management (1)

HCFC Course



Practicum in Culinary Arts (3)

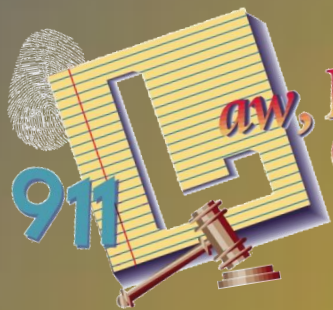
HCFC Course

CAREER OPPORTUNITIES:

- BAKER
- CATERER
- CONVENTION SERVICES MANAGER
- EVENT PLANNER
- EXECUTIVE CHEF
- RESERVATIONS MANAGER
- RESTAURANT OWNER/MANAGER
- TOUR AND TRAVEL GUIDE
- TRAVEL AGENT



FAMILY, CAREER AND COMMUNITY LEADERS OF AMERICA IS A DYNAMIC AND EFFECTIVE NATIONAL STUDENT ORGANIZATION THAT HELPS YOUNG MEN AND WOMEN BECOME LEADERS AND ADDRESS IMPORTANT PERSONAL, FAMILY, WORK AND SOCIETAL ISSUES THROUGH FAMILY AND CONSUMER SCIENCES EDUCATION.



Law, Public Safety, Corrections & Security

The Law, Public Safety, Corrections, and Security industry encompasses careers in law enforcement, security, corrections, and fire and emergency management services. Students will gain an understanding of the roles and responsibilities of police, courts, corrections, and private securities. They will also examine constitutional law, the United States legal system, criminal law, law enforcement terminology, and classification and elements of a crime. While working through this pathway students participate and compete in Skills USA activities. Occupational, Safety and Health Administration (OSHA) and Certified Corrections Officer are the certifications students may receive upon completion of the Law, Public Safety, Corrections, and Security pathway.



**Principles of Law,
Public Safety,
Corrections, & Security
(.5)**

**Law Enforcement I (2)
and
Forensic Science (1)**

HCFC
Course

**Law
Enforcement II
(2) *and* Court
Systems and
Practices (2)**

HCFC
Course

**Law
Enforcement II
(1) *and*
Correctional
Services (2)**

HCFC
Course

**Practicum –
911
Dispatcher (2)**

HCFC
Course



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Human Services

HUMAN SERVICES, COSMETOLOGY, ENCOMPASSES ALL PERSONAL CARE SERVICES RELATED TO THE COSMETOLOGY INDUSTRY. COSMETOLOGY STUDENTS PARTICIPATE IN REAL-WORLD, JOB-SPECIFIC TRAINING FOR HAIR, NAILS, AND SKIN CARE. THE STUDENTS WHO FOLLOW THIS PATHWAY MAY PARTICIPATE IN SKILLS USA COMPETITIONS. UPON COMPLETION OF THE COSMETOLOGY PROGRAM STUDENTS WILL TAKE THE EXAM FOR THEIR TEXAS COSMETOLOGY OPERATOR LICENSE.

CAREER OPPORTUNITIES:

- HAIRSTYLIST
- COSMETOLOGIST
- SALON OWNER
- SKIN CARE SPECIALIST
- MANICURIST/PEDICURIST
- SHAMPOOER



COSMETOLOGY I
(3)

HCTC
Course




COSMETOLOGY II
(3)

HCTC
Course



TEXAS SKILLSUSA IS A NON-PROFIT YOUTH ORGANIZATION WHICH FACILITATES TRADE AND INDUSTRY EDUCATION, ENHANCES CURRICULUM AND INVOLVES ALL STUDENTS. STUDENTS DEVELOP ESSENTIAL SKILLS SUCH AS COMMUNICATION AND TEAMWORK. THEY ALSO GAIN A COMPETITIVE EDGE IN THE WORK FORCE. TEACHERS BENEFIT AS WELL BY ENHANCING THEIR OCCUPATIONAL EDUCATION PROGRAMS, IMPROVE ATTITUDES IN THE CLASSROOM AND GAIN LOCAL BUSINESS SUPPORT AND PARTICIPATION.



Information Technology

INFORMATION TECHNOLOGY CAREERS ENCOMPASS ENTRY LEVEL, TECHNICAL, AND PROFESSIONAL CAREERS RELATED TO DESIGN, DEVELOPMENT, SUPPORT, AND MANAGEMENT OF HARDWARE, SOFTWARE, MULTIMEDIA, AND SYSTEMS INTEGRATION SERVICES. BUSINESS PROFESSIONALS OF AMERICA AND SKILLS USA WILL OFFER STUDENTS THE OPPORTUNITIES TO CONNECT WITH LIKE MINDED STUDENTS AND PARTICIPATE IN VARIOUS COMPETITIONS. INFORMATION TECHNOLOGY STUDENTS MAY RECEIVE VARIOUS INDUSTRY CERTIFICATIONS.



CAREER OPPORTUNITIES:

- **COMPUTER SYSTEMS ENGINEER ARCHITECT**
- **COMPUTER SUPPORT SPECIALIST**
- **COMPUTER SECURITY SPECIALIST**
- **PROGRAMMER**
- **NETWORK TECHNICIAN**
- **NETWORK ENGINEER**
- **ROBOTICS ENGINEER**

PRINCIPLES OF INFORMATION TECHNOLOGY (.5)

WEB TECHNOLOGIES (1)

COMPUTER TECHNICIAN (2) AND TELECOMMUNICATIONS & NETWORKING (1)

HCFC Course

INTERNET WORKING TECHNOLOGIES – CISCO (3)

HCFC Course

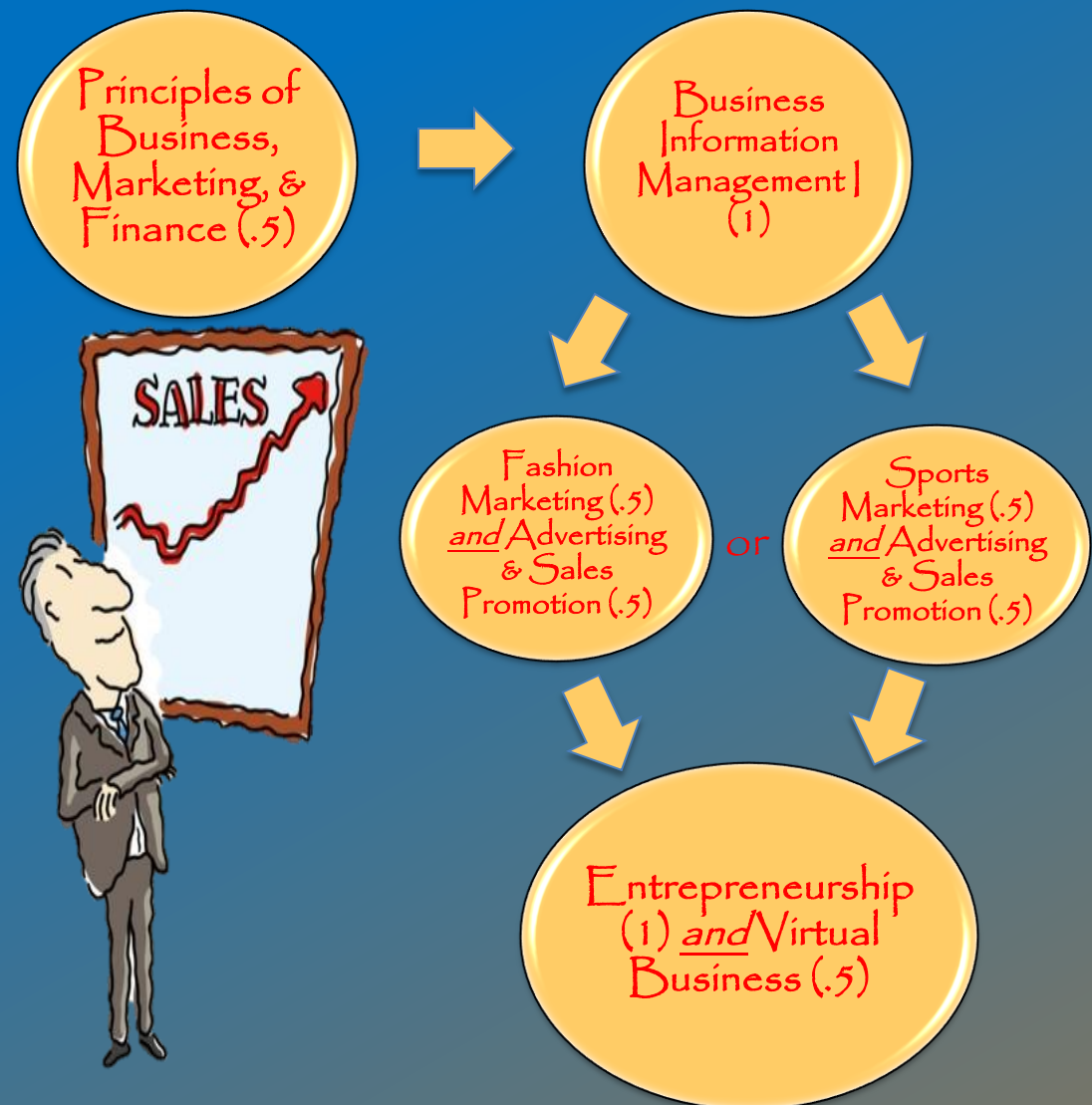
BUSINESS professionals OF AMERICA

THE MISSION OF BUSINESS PROFESSIONALS OF AMERICA IS TO CONTRIBUTE TO THE PREPARATION OF A WORLD-CLASS WORKFORCE THROUGH THE ADVANCEMENT OF LEADERSHIP, CITIZENSHIP, ACADEMIC, AND TECHNOLOGICAL SKILLS.



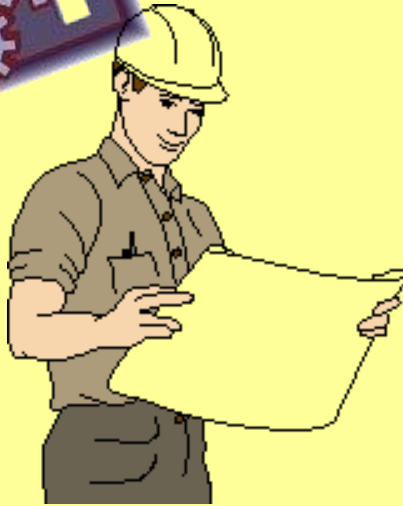
The Marketing, Sales, and Service industry includes planning, managing, and performing marketing activities to reach organizational objectives. Students will gain knowledge in the private enterprise system, the impact of global business, marketing of goods and services, advertising, and product pricing. The Marketing, Sales, and Service pathway allows students to participate and compete in DECA activities.

DECA is co-curricular and is an integral part of the classroom instructional program. DECA allows members and instructors to participate in educational and leadership activities that incorporate classroom instruction with skills that are learned in a successful career/business environment. Merging classroom theory with business situations allows students to develop skills that will carry over into their professional and personal life after high school graduation.



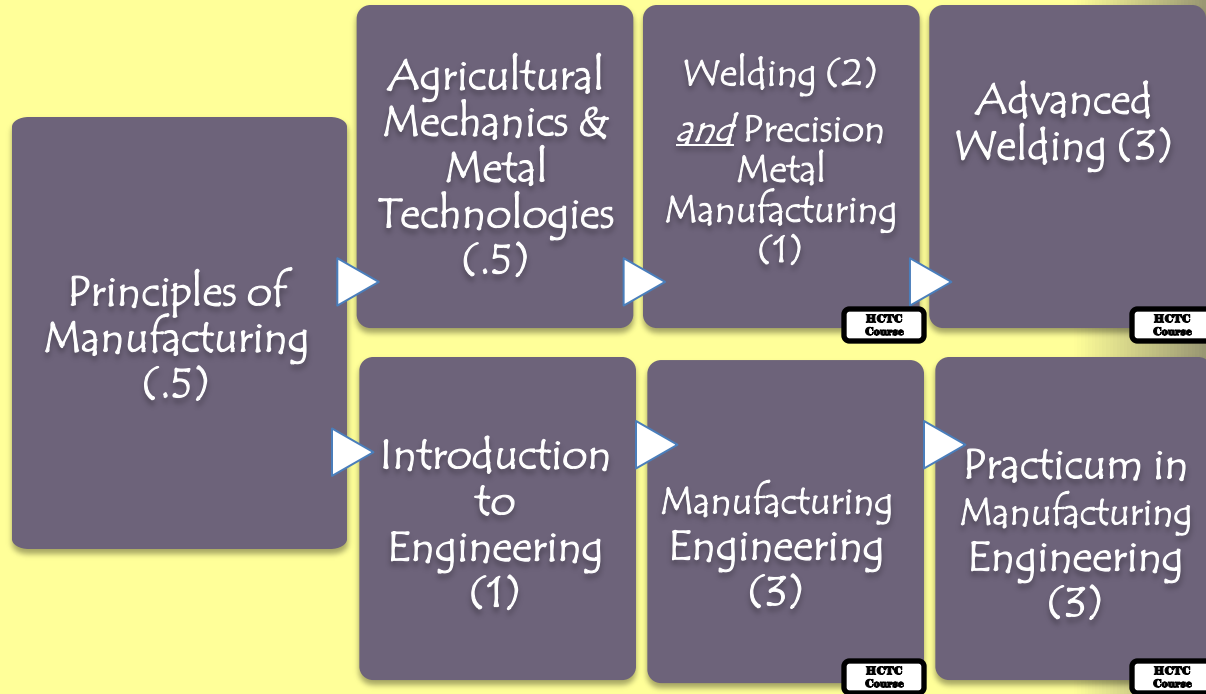
Career Opportunities:

- Sales Manager
- Merchandise Buyer and Procurement
- E-Sales Coordinator
- E-Commerce Designer
- Marketing Manager
- Purchasing Manager



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The Manufacturing pathway involves the planning, managing, and performing the processing of materials into intermediate or final products as well as production planning and control, maintenance and manufacturing/process engineering. While working on this pathway, students can choose to participate and compete in Skills USA. Students who follow this pathway may receive various industry certifications.



Career Opportunities:

- ◊ Safety Engineer
- ◊ Industrial Engineer
- ◊ Design Engineer
- ◊ Environmental Engineer
- ◊ Production Manager
- ◊ Quality Control Technician
- ◊ Industrial Machinery Mechanic
- ◊ Manufacturing Technician
- ◊ Pattern and Model Maker
- ◊ Tool and Diemaker
- ◊ Welder
- ◊ Assembler




Transportation, Distribution & Logistics

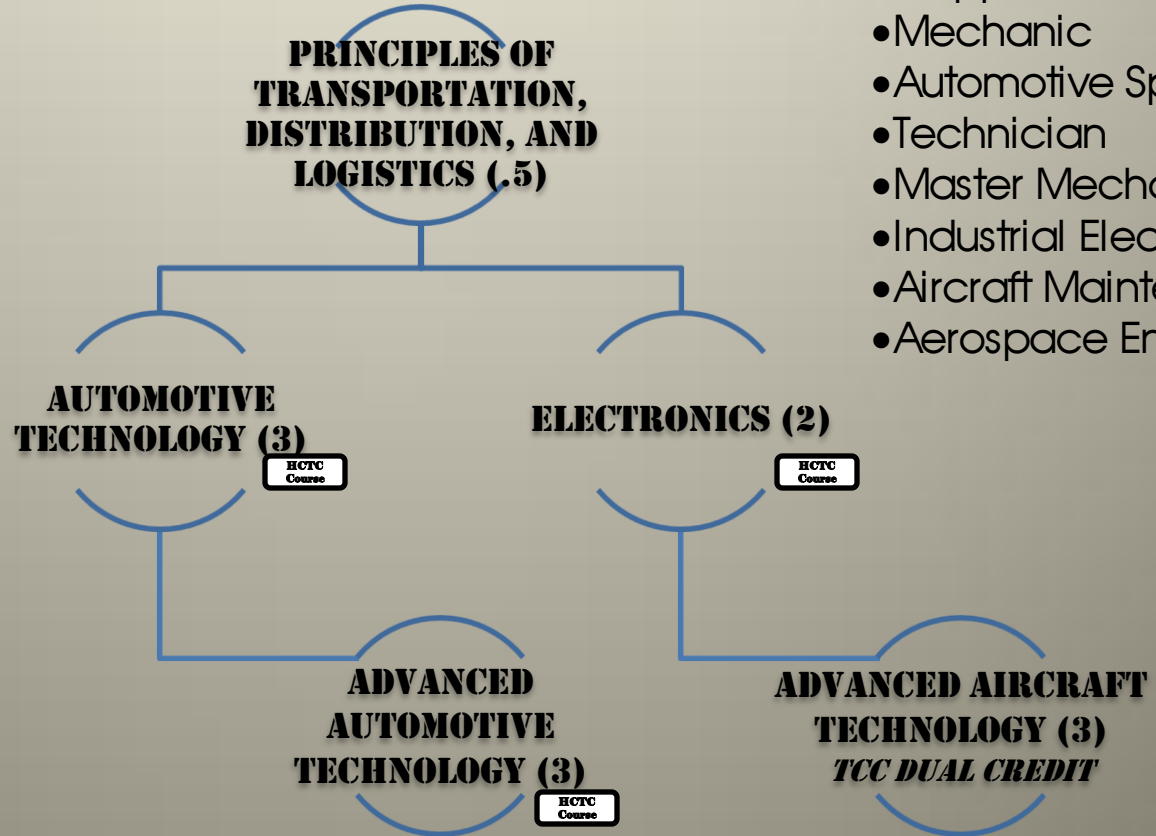
The Transportation, Distribution, and Logistics pathway encompasses careers in the planning, management, and movement of people, materials, and goods by all modes of transportation as well as technical support services such as infrastructure, logistics, and maintenance. Skills USA will allow students working on this pathway to participate in various competitions related to their field of study. Upon completion of the Transportation, Distribution, and Logistics pathway student may receive their Automotive Service Excellence (ASE) Automotive Technician, ASE General Service Technician, and Occupational Safety and Health Administration (OSHA) certifications.

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Career Opportunities:

- Mechanic
- Automotive Specialty Technician
- Master Mechanic
- Industrial Electrician
- Aircraft Maintenance
- Aerospace Engineer





Agriculture, Food & Natural Resources

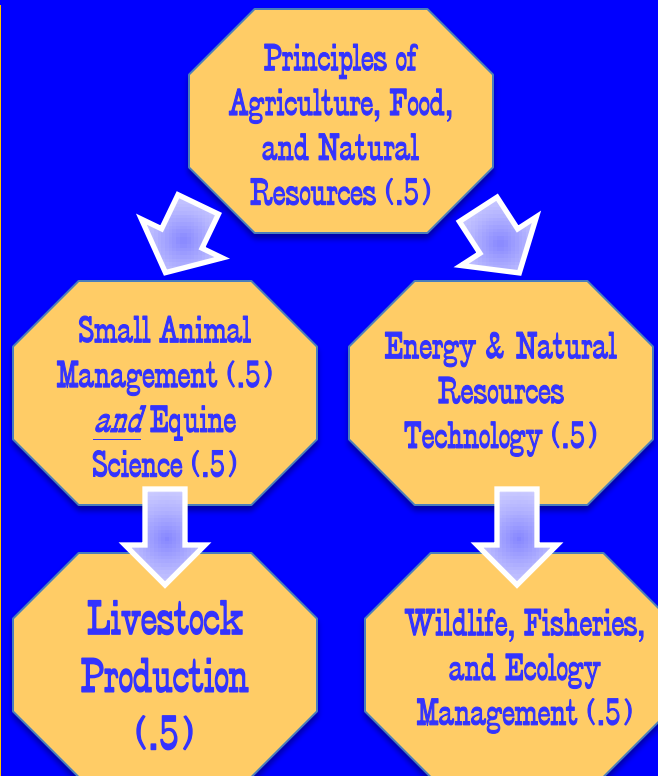
The Agriculture, Food, and Natural Resources pathway focuses on careers in the planning, implementation, production, management, processing, and/or marketing of agricultural commodities and services. Students who follow this pathway will have the opportunity to participate in FFA and receive certification in Private Pesticide Application.

Are there any jobs in agriculture?

According to the U.S. Department of Agriculture, at least 22 million people in the United States work in one of over 300 careers that exist in the field of agriculture. While most people think of farming when the word agriculture is mentioned, there are agriculture-related jobs in veterinary science, marketing, food processing, sales and timber harvesting. It is estimated that one in five people in the United States are working in jobs connected to agriculture.

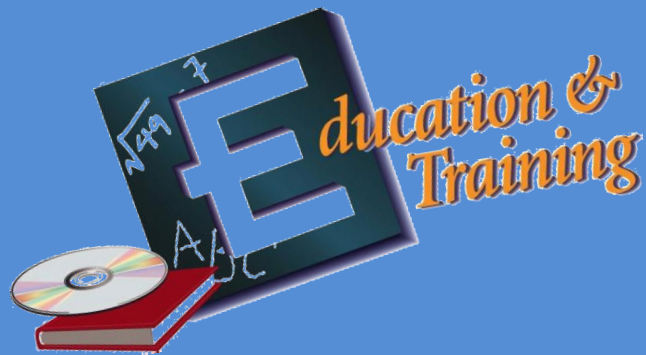
Career Opportunities:

- Environmental Technician
- Agricultural Researcher
- Landscape Technician
- Soil Scientist
- Plant Scientist
- Agronomy



FFA is a dynamic student-led leadership development organization for students of agricultural education. The FFA changes lives and prepares students for premier leadership, personal growth and career success.





Education & Training

THE EDUCATION AND TRAINING INDUSTRY CONSISTS OF PLANNING, MANAGING AND PROVIDING EDUCATION AND TRAINING SERVICES, AND RELATED LEARNING SUPPORT SERVICES. EDUCATION AND TRAINING STUDENTS MAY CHOOSE TO PARTICIPATE IN FAMILY, CAREER AND COMMUNITY LEADERS OF AMERICA FCCLA. THE STUDENTS WHO FOLLOW THE EDUCATION AND TRAINING PATHWAY MAY RECEIVE THEIR EDUCATIONAL AID-ONE CERTIFICATION.

PRINCIPLES OF EDUCATION and TRAINING (5)

HUMAN GROWTH and DEVELOPMENT (1)

INSTRUCTIONAL PRACTICES IN EDUCATION and TRAINING (1)

PRACTICUM IN EDUCATION and TRAINING (2)

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CAREER OPPORTUNITIES:

- TEACHER
- SOCIAL WORKER
- AVID TUTOR
- LIBRARIAN
- PRINCIPAL
- CHILD CARE WORKER
- COACH
- SCHOOL COUNSELOR
- CAMP DIRECTOR
- COUNSELOR
- PROFESSOR



PRINCIPLES OF HUMAN SERVICES (5)

COUNSELING and MENTAL HEALTH (1)

HUMAN GROWTH and DEVELOPMENT (1)



The architecture and construction industry involves careers in architecture, interior design, construction science, and construction technology. Students will learn about designing, planning, managing, building and maintaining the built environment. While working on this pathway students can participate in the Technical Student Association and Skills USA. Upon completion of the architecture and construction pathway students may receive various industry certifications.

Principles of
Architecture
&
Construction
(5)

Architectural
Design (1)

Advanced
Construction
Technology
(3)

Advanced
Electrical
Technology
(3)

HCFC
Course

HCFC
Course

Construction
Technology
(1)

Advanced
Construction
Technology
(3)

Practicum in
Construction
Management
(3)

HCFC
Course

HCFC
Course

Career Opportunities:

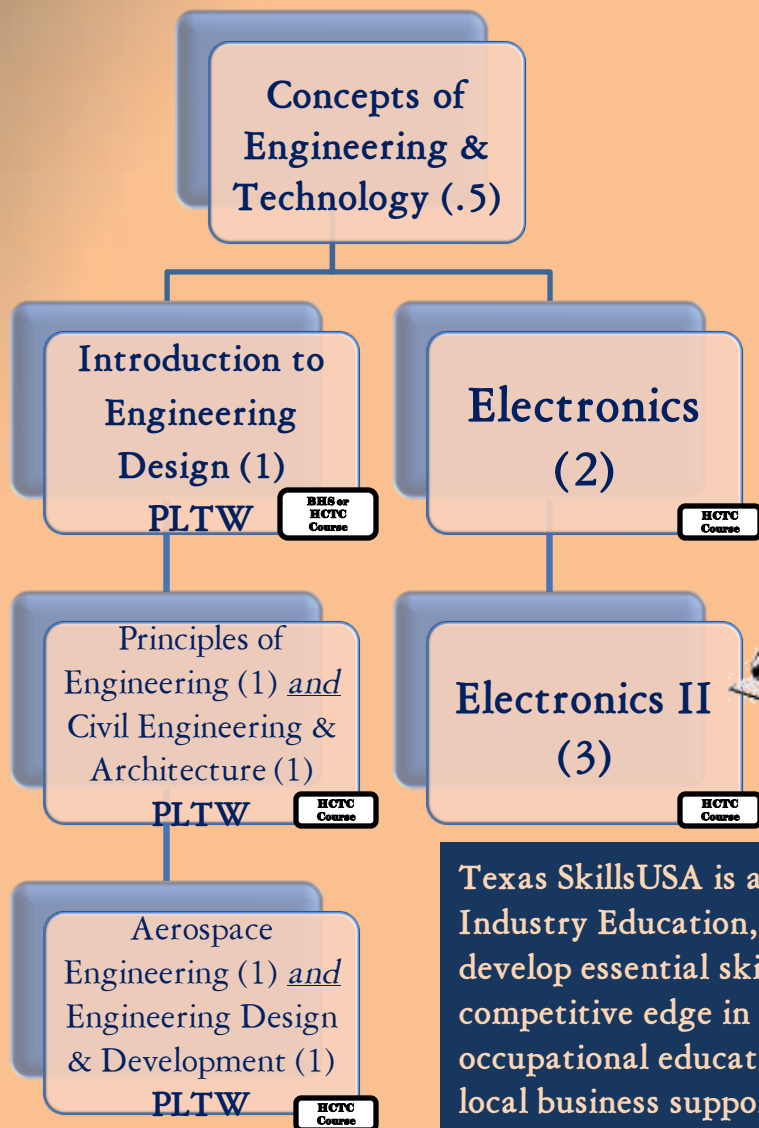
- Architect
- Carpenter
- Construction Foreman
- Constructor
- Demolition Engineer
- Drafter
- Interior Designer
- Equipment/Material Manager
- General Contractor/Builder
- Plumber
- HVAC

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Science, Technology, Engineering & Mathematics

This pathway prepares students for various careers in the Science, Technology, Engineering, and Mathematics fields. Students will choose either the Engineering or Electronics branch of the pathway. Under Engineering the students will demonstrate knowledge and skills of the process of design as it applies to the engineering field. The Electronics branch will provide students the opportunity to understand the applications of circuits, electronic measurement, and electronic implementation. While following these pathways, they can choose to participate in Skills USA. Upon completion of the Science, Technology, Engineering, and Mathematics pathway students may obtain various industry certifications.



Career Opportunities:

- Engineer
- Aerospace Engineer
- Mechanical Engineer
- Engineering Technology
- Electrical Engineer

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