



FIRST RESPONDERS

FEATURED CAREER PATHWAYS

LAW & PUBLIC SAFETY

Responsible for serving and protecting the public and is often on the front lines of finding and apprehending law breakers. Law enforcement officers work within their local communities to build relationships & trust with residents.

EMERGENCY MEDICAL SERVICES

Responsible for responding to emergencies where life is at risk and are often the first responders on scene to help treat victims.

WHAT IS IT

First responders serve and protect their communities. Public Safety jobs keep people safe from crime in danger. Security careers are often found in the private sector providing additional security to businesses and schools.

WHAT WILL I DO?

Lawyers provide legal services to individuals charged with a crime or breaking the law. Police officers keep their local community safe many times proactively preventing crimes in danger before it happens. EMT personnel respond to medical emergencies often before other services arrive.

LEADS TO THESE CAREERS

- Police Officer
- Paramedic
- Lawyer
- Security Guard
- Firefighter
- Paralegal

IS THIS FOR ME?

Do you have a strong sense of right and wrong?
Are you full of courage, character, and integrity?
Are you compassionate and community-minded?

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APPLIED TECHNOLOGIES



PROGRAM OF STUDY

9TH GRADE:

Career & College Readiness
Business 101



10TH-12TH GRADE:

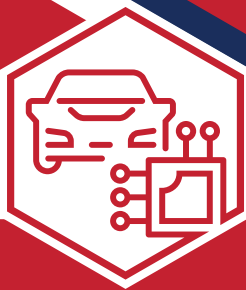
Courses in Law & Public Safety or EMT services.

BECOME A LEADER

First Responders are leaders in their communities. They step in to prevent problems from becoming serious, protect citizens from harm, and help those in need. Our society runs smoothly in large part because of the service provided by our first responders.



"20 years from now you will be more disappointed by the things that you didn't do than by the ones you did do. So throw off the bowlines. Sail away from the safe harbor. Catch the trade winds in your sails. Explore. Dream. Discover." – Mark Twain



AUTOMOTIVE TECHNOLOGIES

FEATURED CAREER PATHWAYS

AUTOMOTIVE TECHNICIAN

Inspect, repair, and maintain essential automotive components: engine, brakes, steering, suspension, electrical systems, tires, heating, cooling, and diesel mechanics.

COLLISION REPAIR

This hands-on program teaches the basic principles of auto body repair, metal work, basic painting, color matching, cost estimation, industry safety protocol, and structural analysis.

WHAT IS IT

For many of us, cars are an essential part of daily life. In our auto technology program, students learn how automotive technicians maintain these complex machines.

The average driver is involved in three to four fender benders in their lifetime. That's bad news for drivers, but good news for anyone considering a career in the collision repair industry.

WHAT WILL I DO?

Automotive service technicians are in high-demand and maintain the millions of cars and trucks on the highway.

LEADS TO THESE CAREERS

WITH INDUSTRY CREDENTIALS:

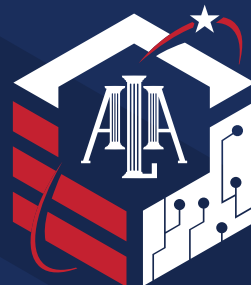
- Automotive Glass Installer
- Collision Repair Technician
- Refinish Technician
- Service/Parts Clerk
- Service Writer

WITH CREDENTIALS AND EXPERIENCE:

- Auto Body Shop Owner
- Custom Painter
- Insurance Adjuster
- Manufacturers' Representative
- Service/Parts Manager

IS THIS FOR ME?

Do you love cars?
Are you detail oriented and like working with your hands?
Do you like to organize things and solve problems?



APPLIED TECHNOLOGIES



PROGRAM OF STUDY

9TH GRADE:

Career & College Readiness
Business 101

10TH-12TH GRADE:

Courses in Automotive Technologies or Collision Repair



BECOME A LEADER

SkillsUSA offers the opportunity for students to participate in competitions to showcase the skills they've learned. The collision repair and auto tech program gives the students a chance to compete at the local, state and national levels.



"Quality means doing it right when no one is looking." - Henry Ford

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COSMETOLOGY

FEATURED CAREER PATHWAYS

HAIR STYLIST/HAIRDRESSER

A hair stylist works in a salon or spa and cuts, colors, bleaches, and styles a client's hair. They analyze and recommend styles or treatments in order to provide the right image the client is looking for.

ESTHETICIAN

Identifies cosmetic issues with skin and applies treatments such as facials, skin conditioning, and blemish extractions to improve skin.

WHAT IS IT

Cosmetology is the study of cosmetic treatments to the hair, nails, and skin. Cosmetologists perform an essential role in helping people look and feel their best, and typically work in Beauty Salon spas or barber shops, but also work in retail locations like department stores, hotels, and cruise ships.

WHAT WILL I DO?

Hair stylists are trained on proper hair cutting and styling, and color and dying techniques. Nail technicians make sure that their client's fingernails and toenails are healthy and beautiful. Skin and makeup specialists provide treatments to make their client's skin feel smooth, soft and healthy while also applying makeup to make their client look their best.

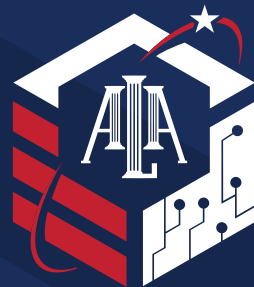
LEADS TO THESE CAREERS

- Color/Perm Specialist
- Hair Designer
- Hair Stylist
- Make-Up Artist
- Nail Technician
- Salon or Spa Owner
- Facialist
- Eyelash Stylist

IS THIS FOR ME?

Do you enjoy helping and serving others?
Are you empathetic and patient?
Do you like helping people look and feel their best?

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APPLIED TECHNOLOGIES



PROGRAM OF STUDY

The cosmetology program is a 4 year program that begins in 9th grade.

9TH-12TH GRADE: Cosmetology courses

The aesthetics program is a three year beginning in 10th grade.

9TH GRADE

College & Career Readiness
Business 101

10TH-12TH GRADE

Aesthetic courses in skin care and facials, nails, makeup application, and eyelash extensions.

Successful students will be prepared to seek the AZ Board of Cosmetology license in aesthetics.

BECOME A LEADER

SkillsUSA is the CTSO for students in the Cosmetology Career Pathway. SkillsUSA provides quality education experiences for students in leadership, teamwork, citizenship, and character development.



"I believe that potential is unlimited – success depends on daring to act on dreams." - Estee Lauder



AVIATION TECHNOLOGIES

FEATURED CAREER PATHWAYS

AVIATION MAINTENANCE

The Aviation Maintenance program teaches the maintenance and repair of aircraft mechanical systems. Students are prepared for highly technical jobs in aviation mechanics. Students are guided through hands-on training by experienced instructors who ensure students are job-ready. ALA-AT offers testing for industry certification with the Federal Aviation Administration. This is a four year program.

AIR TRANSPORTATION

In the ground portion of flight school, students can earn their FAA private pilot certificate in a single engine aircraft. Students will also be eligible for certification for a remote pilots licence with UAVs (unmanned aerial vehicle). We have partnered with Embry Riddle Aeronautical University to deliver this program.

WHAT IS IT

Those who dream of hitting the skies can do so for a living, whether it be in the pilot's seat or on the ground. Careers in aviation offer many opportunities for advancement in piloting, engineering and mechanics, airport operations, and aircraft manufacturing.

WHAT WILL I DO?

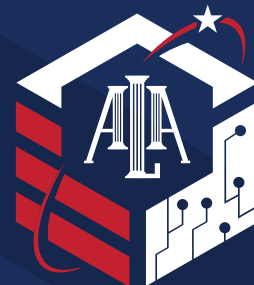
Many aviation and aerospace manufacturing companies hire technicians and engineers to perform repairs and maintenance services on various types of aircraft before they are sold. Others may need technicians to perform tests and develop new elements for various aircraft. Those with a strong background and a degree in mathematics, science, or industrial engineering may fare particularly well in aviation.

LEADS TO THESE CAREERS

- Commercial Pilot
- Private Aircraft Pilot
- Unmanned Aerial Pilot
- Aircraft Mechanic
- Air Traffic Controller
- Airport Manager
- Airfield Operations Specialist
- Aeronautical Engineer

IS THIS FOR ME?

Are you a mechanically-minded, hands-on person?
Do you enjoy working in a team environment providing solutions to complex challenges?
Do you have strong critical thinking skills and enjoy hands-on work?



APPLIED TECHNOLOGIES



PROGRAM OF STUDY

The aviation mechanics program is a 4 year program that begins in the 9th grade year.



9TH-12TH GRADE: Aviation mechanics courses

After completion of the program, students are eligible to test with the Federal Aviation Administration (FAA) for airframe, general, and powerplant certifications.

Air Transportation is a three year program beginning in the sophomore year.

9TH GRADE: College & Career Readiness, Business 101

10TH-12TH GRADE: Courses in weather systems, plane systems, air traffic control, pilot ground school, and drone piloting.

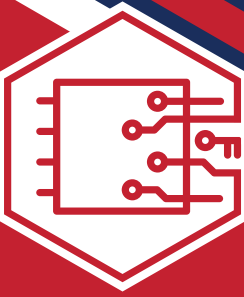
Students in the aviation program can earn their private pilot license and/or unmanned aircraft systems remote pilot certificate.

BECOME A LEADER

Aviation students will work in a team oriented atmosphere with the opportunity to take leadership positions within the aviation program.



"When once you have tasted flight, you will forever walk the earth with your eyes turned skyward, for there you have been, and there you will always long to return." – Leonardo DaVinci



TECHNOLOGY

FEATURED CAREER PATHWAYS

NETWORK SECURITY

Network security is the protection of computer and network systems from digital theft, damage, or sabotage. Cyberattacks are external threats, centered on interrupting normal business processes. Network security focuses on efforts to detect, identify, and respond to external cyber threats and how to recover from them.

AUTOMATION & ROBOTICS

Automation is the process of using physical machines, computer software, and other technologies to perform tasks that are usually done by humans. Robotics is the process of designing, creating, and using robots to perform a certain task. Both use computer coding to create, design, and deploy software.

WHAT IS IT

Computers can be found today in almost every home, business, and industry. The demand for people with technology training is very high. Technology careers involve developing and maintaining computer systems and creating applications for individuals and organizations to conduct their everyday business.

WHAT WILL I DO?

If you work in technology, you might be a network administrator responsible for a company's entire network system. As a computer programmer, you can work on developing code that creates an application used by businesses to perform certain tasks. A business intelligence analyst might analyze data that helps an organization make better strategic business decisions.

LEADS TO THESE CAREERS

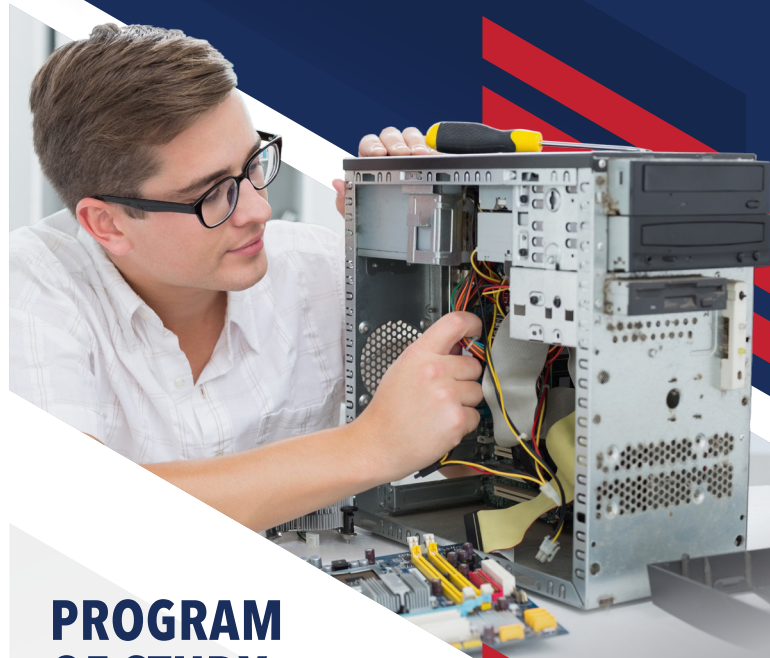
- Computer Programmer
- Computer Support Specialist
- Cybersecurity Analyst
- Database Administrator
- Web Developer
- Game Developer
- Software Applications Developer

IS THIS FOR ME?

Do you "get" computers and technology?
Are you good at math and attention to details?
Are you focused, patient, and persistent?



APPLIED TECHNOLOGIES



PROGRAM OF STUDY

9TH GRADE:

Career & College Readiness
Business 101



10TH-12TH GRADE:

Courses in your chosen pathway. Seniors have the opportunity to develop an independent program designed to earn specialized industry certifications.

BECOME A LEADER

The Technology Student Association (TSA) is a national organization devoted exclusively to the needs of students interested in science, technology, engineering, and mathematics (STEM). TSA promotes a variety of STEM competitions and opportunities for students and teachers.



"Computers themselves, and software yet to be developed, will revolutionize the way we learn." - Steve Jobs

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HEALTH SERVICES

FEATURED CAREER PATHWAYS

HEALTH SERVICES

The Health Services academy provides training and education in a variety of health care fields, including medical and dental. Students will be ready to enter health care fields directly, or prepared to continue their studies in postsecondary education.

WHAT IS IT

Healthcare careers focus on the health and well being of patients. Work is generally in hospitals or clinics but can also be found in nursing facilities, offices, and people's homes.

WHAT WILL I DO?

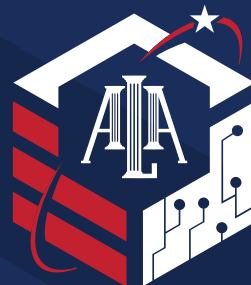
Students will be trained to work directly and indirectly with patients and doctors to evaluate, treat, and comfort their patients. This program opens future opportunities for researchers and technicians who work in laboratory settings to develop cures for diseases. You might work as a Health Information Specialist that keeps history of medical records for insurance or future use.

LEADS TO THESE CAREERS

- Dentist
- Nurse
- Pharmacy Tech
- Physical Therapist
- Health Information Technician
- Physician
- Lab Technician

IS THIS FOR ME?

Are you interested in becoming a doctor or a nurse?
Are you empathetic and like to help people?
Do you enjoy science and human anatomy?



APPLIED TECHNOLOGIES



PROGRAM OF STUDY

9TH GRADE:

Career & College Readiness
Business 101

10TH-12TH GRADE:

Courses in healthcare services: Pending application.



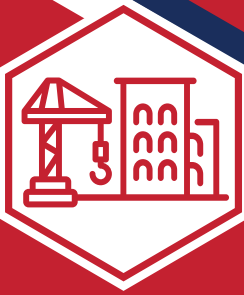
BECOME A LEADER

Arizona HOSA is a career and technical student organization dedicated to helping students enter the health field. HOSA's competitive events provide students with hand-on learning experiences that prepare them for future careers.



"Nurses dispense comfort, compassion, and caring without even a prescription." - Val Saintsbury

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CONSTRUCTION TECHNOLOGIES

FEATURED CAREER PATHWAYS

CONSTRUCTION TECHNOLOGIES

Offers hands-on experience that teaches students how to master skills in construction. Students learn carpentry, electrical, HVAC, and plumbing skills, as well as learning and understanding how to read blueprints, site development, and material testing.

MASONRY

Theory and practical exercises will prepare students with the skills and knowledge necessary to gain entry-level employment in the masonry trade. Students will learn the use of hand and power tools, building layout, blueprint reading and estimating. Laying brick, block, and pouring and finishing concrete are covered in detail.

CONSTRUCTION MANAGEMENT

Students in construction management should plan to complete a construction management certification program or advanced degree.

WHAT IS IT

The construction industry is booming in Arizona, but is experiencing a shortage of workers. Construction workers help build the house you live in, the school you attend, the buildings where people work, and the roads you drive on. Most homes, buildings, and structures are built by construction workers, from designing the blueprints, to putting up the frame of a house or building, to installing the plumbing, electrical, heating, and air conditioning.

WHAT WILL I DO?

Carpenters put up the framework of the building, create cabinets and build out the framing for windows and doors. Skilled workers like electricians, plumbers, and HVAC technicians each contribute to the finishing details to make the home or building ready to move into. Construction managers plan, coordinate, budget, and supervise construction projects from start to finish. Construction managers may have a main office but spend most of their time in a field office onsite, where they monitor projects and make decisions about construction activities.

LEADS TO THESE CAREERS

- Carpenter
- Electrician
- Mason
- Plumber
- Roofer
- Architect
- Construction Mng'r
- Project Manager
- Building Inspector



APPLIED TECHNOLOGIES



IS THIS FOR ME?

- Would you enjoy building things with your hands?
- Are you detail oriented and appreciate quality work?
- Are you comfortable working both inside and outside?



PROGRAM OF STUDY

9TH GRADE:

Career and College Readiness
Business 101

12TH GRADE:

Specialize in Masonry,
Advanced Construction, or
Construction Management

10TH-11TH GRADE:

Fundamentals of Construction

BECOME A LEADER

SkillsUSA is an organization that provides competitions in six construction-related areas: carpentry, electrical construction wiring, HVAC, masonry, and plumbing.



"It is not the beauty of the building you should look at: it's the construction of the foundation that will stand the test of time."

– David Allen Coe

ALASCHOOLS.ORG/APPLIED-TECHNOLOGIES



BUSINESS & FINANCE

FEATURED CAREER PATHWAYS

BUSINESS MANAGEMENT

Business Management involves gathering, analyzing, and providing data and information to businesses and organizations to make strong business decisions. Includes the use of data and technology to help sales, finance, and general operations become more efficient.

FINANCE

Finance refers to all of the money-related decisions consumers, businesses, and governments make on a daily, weekly, and yearly basis. Finance is focused on the implications that arise from employing various money management strategies.

WHAT IS IT

Business management is responsible for managing businesses as an owner, executive, or manager. Finance is the business of money. Financial service companies help manage and grow their client's money.

WHAT WILL I DO?

You will oversee the operation of a small or large business by managing finances, developing, and managing products, and leading others in business efforts. You may be part of the loan industry to help others purchase items or expand businesses. You might help create investment plans.

LEADS TO THESE CAREERS

- Administrative Assistant
- Business Analyst
- Executive/Business Owner
- General Manager
- Human Resource Manager
- Personal Finance Officer
- Financial Planner
- Financial Analyst

IS THIS FOR ME?

Do you like to organize things and make decisions?
Are you a strong motivator and leader?
Are you good with numbers and/or money and like analyzing data?



APPLIED TECHNOLOGIES



PROGRAM OF STUDY

9TH GRADE:

Career & College Readiness
Business 101

10TH-12TH GRADE:

Courses in Business Management or Finance.



BECOME A LEADER

FBLA helps high school students prepare for careers in business through competitions and leadership development.



"I never dreamed about success, I worked for it."
- Estée Lauder, co-founder of Estée Lauder Companies

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HOSPITALITY

FEATURED CAREER PATHWAYS

CULINARY ARTS

Culinary Arts refers to the art of preparing, cooking, presenting, and serving food usually in restaurants, but also cafeterias, catering, and food trucks.

HOSPITALITY

Hospitality careers involve the management, marketing, and operations of hotels and resorts, restaurants, entertainment attractions, and large-scale events.

WHAT IS IT

Hospitality is the business of recreation and entertainment. Hotels house people when they vacation or travel, focusing on their guests comfort and well-being.

Culinary arts is the preparation, cooking, and presentation of food and meals. You will usually work in restaurants as a cook or chef in the kitchen, but may also work in the front of the house in roles like servers or greeters. Catering is a big business that involves preparing food for large events.

WHAT WILL I DO?

You will attend to the needs of your guests and make them feel comfortable. You will prepare unique meals, serve food to guests, and provide outstanding customer service. If you work in the entertainment industry, you will strive to provide your guests with an opportunity to enjoy their experience to the fullest.

LEADS TO THESE CAREERS

- Caterer
- Chef
- Cook
- Nutritionist
- Food Purchaser
- Event Planner
- Hotel Manager
- Restaurant Owner

IS THIS FOR ME?

Are you a people person?
 Do you have excellent customer service skills?
 Do you like working in a fast-paced environment?



APPLIED TECHNOLOGIES



PROGRAM OF STUDY

9TH GRADE:

Career & College Readiness
Business 101



10TH-12TH GRADE:

Courses in the culinary arts or hospitality. Students may earn dual enrollment credit through Scottsdale Community College.

BECOME A LEADER

ProStart provides competitions for scholarships and prizes at the state and national level.



"I think careful cooking is love, don't you? The loveliest thing you can cook for someone who's close to you is about as nice a Valentine as you can give." - Julia Child

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EDUCATION

FEATURED CAREER PATHWAYS

EARLY CHILDHOOD EDUCATION

Early childhood education focuses on teaching and guiding preschool children, giving them the building blocks to learn and be curious, while helping them adjust socially and interact with others. It's exposing young children to art, music, language, math, and social settings that help to improve their development.

EDUCATION PROFESSIONS

Education careers exist in kindergarten, elementary, and middle school, high school, college, and beyond. Teachers educate their students in traditional skills like reading, writing, and mathematics as well as develop values such as time management, personal responsibility and respect for others.

WHAT IS IT

Education is the teaching and training of people from preschool through high school or college. Education workers most frequently work in schools but can also be found in corporations, sports activities, libraries, churches, and after-school activities.

There is a large demand for teachers.

WHAT WILL I DO?

Teachers educate children and young adults in traditional academic skills as well as critical thinking. They also help their students understand executive functioning skills like time management, personal responsibility, and communication.

LEADS TO THESE CAREERS

- K-12 Teacher
- Administrator
- Librarian
- Teacher's Aide
- Corporate Trainer
- Coach

IS THIS FOR ME?

Do you enjoy teaching and helping children?
Are you a compassionate, life-long learner?
Are you a strong yet adaptive communicator?



APPLIED TECHNOLOGIES



PROGRAM OF STUDY

9TH GRADE:

Career & College Readiness
Business 101

10TH-12TH GRADE:

Courses in education and work based learning experience working in our on-site preschool program.



BECOME A LEADER

In the early childhood education program students are able to apply what they have learned in the classroom to their rotation experiences in our on-site preschool.



"I cannot teach anybody anything; I can only make them think."
- Socrates

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