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2011-2012 course catalog

East Valley Institute of Technology - EVIT

1601 West Main Street, Mesa, Arizona 85201

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2011-2012 Course Catalog

What is EVIT?

EVIT is a public, joint technological education district (JTED) that serves students from ten East Valley school districts. Students from Apache Junction, Chandler, Fountain Hills, Gilbert, Mesa, Queen Creek, Scottsdale, Tempe, Higley and J.O. Combs spend a half-day at EVIT in a career preparation program and the other half-day at their home high school. All 10th, 11th and 12th grade students can attend tuition-free, if they have met the class prerequisites. Free busing is provided to and from EVIT by the student's home school district for most programs.

Our Mission:

Our mission at the East Valley Institute of Technology is to provide a productive, technically trained workforce that meets the market-driven needs of business and industry.

EVIT is a Tech Prep Member School

Tech Prep begins in high school and continues through at least two years of post-secondary education. It prepares students for high-skill technical occupations and allows entry into the workplace after graduation or further education leading to an associate degree in a two-year college.

In addition to technical skills, students completing EVIT programs will also develop advanced critical thinking, applied academics, career development, life management, business, economic, and leadership skills required for entry into related occupations. All programs utilize a delivery system made up of four integral parts: formal/technical instruction, experiential learning, supervised occupational experience and the career and technical student organization.

Business/Industry Community College Articulation

EVIT offers many school-to-work options with participating businesses including manufacturing, automobile dealerships, hospitals, and many others. Advanced students may have opportunities in industry and community colleges in the form of job placement, apprenticeships, internships, cooperative education and college credit articulation.

When do I register?

Registration for classes is on going. Each high school and middle school in the ten districts has a designated counselor with materials and information regarding EVIT registration. Students who pre-register on the EVIT campus must be certain to register at their home school as well.

What do I bring to registration?

Students need to have a copy of their transcript and results of a recognized standardized test such as the Stanford 9 or AIMS (AIMS results must be turned in if taken.) Attendance records may be requested.

When does school start?

Students are encouraged to pre-register for EVIT courses during the regular spring registration process at their home school. Students pre-registering will receive follow-up information during the summer. Please check our website at <u>www.evit.com</u> for the 2011/12 calendar.

How many credits can I earn?

Three quarter (3/4) credit is earned for every nine weeks completed with a passing grade and 90% attendance. Students who miss more than nine (9) days (excused or unexcused) during a semester will receive a grade of "Audit" for the semester. Community college articulation and/or dual enrollment credit is in place for high school students in designated courses. All EVIT high school students graduate from their home high school.

When are classes?

AM classes - Monday - Friday 8:05 to 10:35 a.m. PM classes - Monday - Friday 12:05 to 2:35 p.m.

Are there fees?

There may be fees associated with your program for tools, supplies/materials, and a career and technical student organization (CTSO).

Career & Technical Student Organizations

All EVIT students participate in a Career & Technical Student Organization. Membership in state and national clubs is encouraged:

SkillsUSA	Technical, skilled, and service careers
FCCLA	Family, Career, and Community Leaders of America
HOSA	Health Occupation Student Association
FBLA	Future Business Leaders of America

Are adult classes offered at EVIT?

Daytime classes are open to adult students up to age 22. Evening classes are available for adults in some courses. Tuition is charged for adult students. A course catalog is available. For more information, please visit <u>http://www.evit.com/adulted/</u> or call (480) 461-4028.

BUSINESS MANAGEMENT & ADMINISTRATION

BMS10

Marketing, Management and Entrepreneurship

4 Semesters

2 semesters

Explore the dynamic world of sales and marketing in internet marketing & e-commerce, sports, entertainment and marketing research. Learn to incorporate different marketing strategies in business and society. Students will examine roles in marketing management, explore tools to develop effective customer relations, design and create promotional materials and participate in a student-run business.

Prerequisites: 1 English and 1 math credit Keyboarding Skills

COMPUTER INFORMATION SYSTEMS

CO10 Computer Service Technician/Networking

In today's technological world, Computer Support Technicians are used in every business and industry. Successful completion of this course will enable students to respond to users' complaints and requests for technical assistance. Using state of the art technology, and half of their time in the lab, students learn effective tools for PC troubleshooting and repair. Soft skills are a highly effective way to achieve successful careers; these skills are included in every day work. Along with extensive rigor in the classroom, students are exposed to the relevance of simple and extensive computer and network problems and given the knowledge to resolve the trouble in an efficient and effective manner. Students are also highly equipped to pass the National Hardware and Software A+ and Net+ Certification exams required to gain employment in the Information Technology Industry.

Community college articulation is in place.

Prereauisites: 1 English and 1 math credit

HUMAN SERVICES

Kevboarding Skills

CS14 **Aesthetics**

Students in this course specialize in the science of skin and complexion care. At the successful completion of the 600-hour program, the students are prepared to take the Arizona State Board of Cosmetology Exam for Aestheticians. Students attend class four hours per day and must provide their own transportation. This program includes two semesters of courses. Students must complete both semesters regardless of hours clocked.

Prerequisites: 2.0 GPA 10 high school credits (including 2 English credits)

CS10 Cosmetology

Students completing this program will develop the technical skills associated with cosmetologists, nail technicians, hair stylists, makeup artists, and aestheticians. Students receive instruction in hydiene, sanitation, customer relations and salon management. A total of 1600 hours is required to take the Arizona State Board of Cosmetology Exam. Students attend class four hours per day and must provide their own transportation. The program operates a clinic salon for the public at reduced prices.

Prerequisites: 2.0 GPA 10 high school credits (including 2 English credits)

Commercial Baking and Pastry Arts CU20

In the two-year baking and pastry arts program, students will be trained in the skills needed to obtain entry level employment in the baking and pastry industry. Students will learn production techniques and merchandising and teamwork through a hands-on approach. Students obtain experience by producing products for the culinary arts program and retail customers. Internships and work-study programs are available.

Prerequisites: 2.0 GPA 6 high school credits (1 English and 1 math credit)

CU10 **Culinary Arts**

Students develop skills in all facets of the hospitality industry. Training is provided in culinary arts (a la carte & quantity cooking), commercial baking and dining room and table service through a hands-on approach. The program operates a full banquet facility, a breakfast/lunch cart, a retail bakery, and fine-dining providing realistic training for students. Internships and work-study programs are available.

Prerequisites: 2.0 GPA 6 high school credits (1 English and 1 math credit)

CC10 **Early Childhood Education**

Students will gain hands-on experience in classroom education on how to manage a classroom, facilitate learning centers and support the development of the whole child. Besides individual and group projects, text work, professional development activities and computer lab assignments, students will apply their skills and implement their knowledge in the on-site Head Start program. Upon program completion, students are prepared to work in a childcare facility, after school program, preschool, or pursue additional education in this field. Advanced students participate in an internship.

Dual enrollment – 9 community college credits

Prerequisites: No criminal record 1 English and 1 Pre-Algebra credit with minimum grade of C 1600 Hours

4 Semesters

2 Semesters

4 Semesters

ED10 **Education Professions**

For the student who knows he or she wants to become a certified teacher, this class will give a jumpstart on training. The college prep curriculum includes a survey study of the teaching profession and educational theories of learning. Students will conduct research; create lessons and present concepts to peers. They will research degree programs and apply for scholarships. Each student will participate in job shadowing in a school/class of his or her choice. Students identify their philosophies and develop their leadership styles in this two-year course.

Prerequisites: No criminal record

1 English and 1 Pre-Algebra credit with minimum grade of C

FM10 **Fashion Merchandising**

This program in the dynamic field of fashion merchandising provides students with the technical knowledge and skills associated with fashion design/production and apparel selection, purchase, sales and promotion. Students will be using LECTRA, a pattern making software, which is used in the industry. Notably, EVIT is the only high school in the nation to have this software. In addition to technical skills, students completing this program will also develop advanced critical thinking, career development, applied academics, life management, business economics and leadership skills required for entry into fashion design and merchandising occupations.

Prerequisites: 2.0 GPA 6 high school credits (1 English and 1 math credit)

TT10 Hospitality & Tourism

What in the "world" would you like to do for a career? Find out first hand by booking a cruise, planning a luxury vacation, promoting a super star, or navigating the airline and hotel industry. A class project will include sales and marketing for a cruise line with a field trip on a cruise abroad. Discover where you can fit into the second largest industry in Arizona.

Prerequisites: 2.0 GPA 6 high school credit (1 English and 1 math credit)

ID10 Interior Design

The Interior Design program is a two-year program designed to prepare students for employment in various decorative design occupations. Students will study the principles and elements of design, design color boards and develop a portfolio showing furnishings, fabrics, wall and floor coverings, and other materials related to the field. This program also prepares students for continuing education in an interior design school. This program includes field trips to interior design centers and other related companies. Qualified second-year students participate in job shadowing and internships.

Dual enrollment with community college credit

6 high school credit (1 English and 1 math credit) 2.0 GPA Prerequisites:

Massage Therapy (One-Year program) **MA10**

The EVIT Massage Therapy program offers 720 hours of training in massage and bodywork. This program is specifically designed for Arizona state licensure. After completing the program students may apply for Arizona State Licensure and are eligible to sit for the National Certification Examination for therapeutic massage and bodywork. Students will study both Eastern and Western massage modalities including Swedish, Sports, Chair, Shiatsu, and others. Also coursework such as mycology, pathology, hygiene, professional development and ethics will be studied. Hands-on massage and bodywork will be performed in preparation for public clinic. Students must be high school seniors to enroll, and must be 18 before applying for State Licensure.

Prerequisites: 2.5 GPA Biology strongly recommended and MC10

Seniors only (Must be 18 by May of Senior Year)

MA10 Massage Therapy (Two-Year Program)

The EVIT Massage Therapy program offers 720 hours of training in massage and bodywork. This program is specifically designed for Arizona state licensure. After completing the program students may apply for Arizona State Licensure and are eligible to sit for the National Certification Examination for therapeutic massage and bodywork. Students will study both Eastern and Western massage modalities including Swedish, Sports, Chair, Shiatsu, and others. Also coursework such as mycology, pathology, hygiene, professional development and ethics will be studied. Hands-on massage and bodywork will be performed in preparation for public clinic. Students must be a minimum of high school juniors to enroll, and must be 18 before applying for State Licensure.

Biology strongly recommended and MC10 2.5 GPA Prerequisites: Juniors (Must be 18 by May of Senior Year)

2 Semesters

4 Semesters

4 Semesters

4 semesters

2-4 Semesters

2 semesters

HEALTH SERVICES

Allied Health MC41

This is a rigorous, two-semester academic course requiring a high level of independent study and is designed as a pre-requisite to prepare students for entry-level positions in the following areas:

	Sports Medicine & Rehabilitation Therapies Veterinary Assistant Pharmacy Technician
Prerequisites:	2.5 GPA Seniors only (Juniors: Satisfactory completion of MC10 or equivalent academic course & special permission) Provide own transportation to clinical sites 2 nd semester Random drug testing
MC60	Dental Assistant

Students will be trained in the medical terminology, ethics, customer service, and professionalism of the dental assisting profession. Once fully trained in this class, they will be prepared to apply for a dental assistant position. Externships may be limited. Priority given based upon performance. Prerequisites

es:	2.5 GPA	2 English credits & 2 math credits	
	No criminal record	Excellent attendance	
	Random drug testing	Provide transportation to externship sites 2 nd	
		semester	
	Emergency Medical Techn	ician	2 Semesters

MC55 **Emergency Medical Technician**

This class will teach students learn how to handle emergency situations. The Emergency Medical Technician (EMT) provides immediate care to individuals who have been injured. Technicians at this level are trained to provide basic medical care - such as CPR (cardiopulmonary resuscitation). They are also known as first responders. Students are prepared to take the State EMT examination.

Prerequisites:	Seniors only	2.5 GPA	
	6 high school credits	s (including 1 English and 1 Algebra credit)	
MC10	Health Occupation	ns	2 Semesters

This course is designed for students interested in any health-related field and is highly recommended for students interested in advanced training at EVIT. Students study anatomy, physiology, medical terminology, human growth and development, human diseases and infection control. This course includes topics of human reproduction. Upon completion, students may go on to advanced training. NOTE: This course has been approved by the AZ Board of Regents as a lab credit.

Prerequisites:	2.5 GPA	1 English	and 1 Math Credit
	Biology (ma	ay be taker	n concurrently)
MC20	Medical As	ssistant	

EVIT will offer its students an opportunity to train in one of the health industry's fastest growing occupations. Medical Office Assistant is a two-year certificated program for juniors and seniors in high school. Students will focus on medical terminology, medical office procedures, body systems and medical specialties used in a medical office or health care facility. Graduates are prepared to take the examination for certification and are prepared to work in medical office positions in hospitals, clinics and other health care facilities. Clinical sites may be limited. Priority given based upon performance in class.

Prerequisites:	3.0 GPA Juniors & Seniors only
	No criminal record
	MC10 or equivalent course or 1 credit in Biology or Anatomy/Physiology
MC53	Medical Biotechnology

Medical Biotechnology has contributed towards the exploitation of biological organisms or biological processes through modern techniques, which could be profitably used in medicine. Students will perform hands-on lab functions using state-of-the-art equipment and supplies. This program will introduce students to techniques in forensics, crime scene investigation, drug detection, and genetically modified foods. This course is an intensive introduction to biotechnology, including media and solution preparation, routine manipulations of DNA, structural properties of DNA, and regulation of gene expression. Explore the world of pharmacogenomics, pharmaceutical products, genetic testing, gene therapy, the Human Genome Project, cloning, and concerns regarding the use of modern biotechnology techniques in medicine.

Dual enrollment with MCC - 8 college credits

Prerequisites:	3.0 GPA Juniors & Seniors only 1 English credit and 1 math credit	
	Biology (minimum of B)	
	Chemistry (minimum of B - may be taken concurrently)	
MC51A	Sterile Processing and Distribution	2 Semest

Sterile Processing and Distribution (SPD) Technicians sterilize surgical instruments; retrieve patient care equipment and order and stock medical and surgical supplies. They also play a critical role in infection control. The support offered by SPD's allows other medical center professionals valuable direct patient treatment time.

Seniors only; 9th grade reading level Prerequisites: 2.0 GPA Successful completion of MC10 or Biology Good attendance & good communication skills

2 Semesters

2 Semesters

4 Semesters

2 Semesters

sters

NURSING SERVICES

MC30 Nursing Assistant

This rigorous two-semester course is designed for students committed to a career in direct patient care. This course includes both advanced classroom instruction and clinical experiences at local medical facilities. During the clinical rotation students must be able to be flexible with hours and provide transportation to and from the clinical site. Students are fully prepared to take the state certificating CNA exam upon completion; however, most medical facilities require that job applicants be 18 years old. Students must provide of immunization or evidence of immunity to certain communicable illnesses. Note: This course includes topics of human reproduction. Clinical sites may be limited. Priority given based upon performance.

Prerequisites:	3.0 GPA Seniors only		
	Satisfactory completion of MC10 or equivalent academic course of Biology or		
	Anatomy & Physiology		
	No criminal record		
	Flexible hours and transportation to and from clinical site		
MC90	Caregiver		

This course includes both advanced classroom instruction and clinical experience at local medical facilities. Caregivers work in homes or non-skilled nursing centers providing personal care for patients.

Prerequisites: 2.0 GPA Seniors only Satisfactory completion of MC10 or equivalent academic course of Biology or Anatomy & Physiology

ELECTRONICS TECHNOLOGY

AV05 Aviation Spectrum

Explore the exciting world of Aviation. First semester students will learn the history of aviation, job opportunities, air transportation operations, introduction to Air Traffic Control and Airframe and Powerplant Maintenance. During the second semester, students will be given an introduction to Aircraft Flight Operations, the new and rapidly growing field of Unmanned Aerospace Vehicle Operations and an introduction to Airline Flight Attendant roles and responsibilities.

Dual enrollment for college credit is not required.

The first semester of this course is a prerequisite for AV10 and AV20. Both semesters are required for all other aviation course disciplines.

Prerequisites: 2.5 GPA Pre-Algebra – Minimum grade of C

AV10 Systems for Pilots

The Aviation Systems Training Program at EVIT introduces students to Aerodynamics and Basic Aircraft Systems. This course is important in the development of pilots and/or aerospace professionals. This instruction will assist anyone pursuing an aerospace career. This is the fundamental academic preparation for the student to become a more rounded professional pilot. This course uses the same curriculum as the Chandler Gilbert Community College and is taught at the college by EVIT Instructors.

Concurrent enrollment with Chandler Gilbert Community College is required.

Prerequisites: 2.5 GPA Pre-Algebra – Minimum grade of C

AV20 Ground School & Flight Training

The Aviation Flight Training Program is Private Pilot Ground School, which prepares students to take and pass the Federal Aviation Administration Private Pilot Written Examination. This course is designed to cover all subject areas in a manner acceptable for certification Part 141 of the Federal Aviation Regulations. Students will concurrently receive their flight training at Chandler Gilbert Community College.

Concurrent enrollment with Chandler Gilbert Community College is required.

Prerequisites: 2.5 GPA

AV10 Systems for Pilots (students with prior flight training may be waived of this requirement)

EL10 Electronics (Robotics)

Students in this class study math for electronics, basic theory for DC and AC circuits, power supply systems, logic devices, solid state theory, test equipment function/utilization, soldering, and bread boarding techniques. Electronic projects are included to augment the class study. Designing, building and completing a competition-ready robot is the focus for the first 6 weeks of the second semester for entry into the FIRST Robotic Challenge. There will also be emphasis on alternative energy sources focusing on solar and wind.

Dual enrollment with community college credit

 Prerequisites:
 2.5 GPA
 Science credit with minimum grade of "B"

 Successful completion of Algebra, Geometry/Trigonometry

 Clear understanding of Atomic Structures & Periodic Table of Elements

 ET10
 Engineering Science

Students who aspire to be builders or inventors will learn and apply 3d computer design principles to aid in the creation of physical objects. The program is designed to inspire young inventors to learn the computer programs and processes necessary to create 3 dimensional objects that they will physically produce on a 3d printer. (EVIT houses the only 3d printer of this type in Arizona.) While math skills are a plus for success in this course, they are not mandatory. The principles taught in this course are essential for all occupations that involve design.

Prerequisites: 2.0 GPA

2 Semesters

2 Semesters

2 Semesters

2 Semesters

2 Semesters

INDUSTRIAL & COMMERCIAL TECHNOLOGIES

Construction Technologies CT10

This course prepares students to learn and develop hands-on skills in all disciplines of commercial and residential construction. First year students will gain hands-on understanding of safety, hand tools, power tools, blueprints, electrical wiring, plumbing, masonry, estimating, framing, roofing, drywall, texture, and finish work. Second year students can choose a specialty to further develop advanced skills.

Prerequisites: 2.0 GPA 2 math credits

MT10 Precision Manufacturing Technology

This program is for all students, providing experience in the art of manufacturing. Students will develop proficiencies geared toward industry standards in setup and operation of modern manual and computerized tools of the trade. There is an emphasis on management, leadership, quality control and business/customer relations. NIMS (National Institute of Metalworking Skills) certification is available.

Community college articulation is in place.

2.0 GPA 1 math credit Prerequisites:

WD10 Welding

Expanding opportunities in manufacturing require welding and metal fabrication skills. Students will receive training in basic metal fabrication and entry level welding techniques to build or repair structures or products. Welding processes used will include OXY/FUEL welding and cutting, PLASMA cutting, ARC, MIG and TIG welding. Students will get to work with a variety of different types of materials including but not limited to mild steel, aluminum and stainless steel. The welding program has an outstanding job placement rate. Paid internships are available. For an additional cost, students have the opportunity to get a certification through Inter-Industry Conference on Auto Collision Repair (ICAR); this certification is based upon the American Welding Society's structural sheet metal code.

Community college articulation is in place.

Prerequisites: 2.0 GPA 1 English credit and 1 math credit

AUTOMOTIVE TECHNOLOGY

AM10 Automotive Technology

EVIT offers NATEF Certified Instruction and ASE Certified Instructors at the high school level. In a hands-on environment, students will have the opportunity to learn tasks related to engine repair, air conditioning, engine performance, electrical systems, brakes and steering-suspensions. Five instructors teach theoretical, diagnostic and practical skills aligned with the national task list (competencies). All course work leads to post-secondary training and employment in the automotive workforce for students with appropriate attitude, aptitude and attendance. Students without formal automotive training will begin in the General Automotive Systems and Service course and progress to a new course each semester. Students will have the opportunity to participate in a three-day job shadowing experience. Students may qualify for paid internships in independent facilities, fleets or dealerships. Internships are an integral part of this program.

Dual enrollment with community college credit

Prerequisites:	2.0 GPA Successful completion of 6 high school credits
	Preferred minimum 8 th grade reading, writing, basic math & keyboarding skills
	Preferred successful completion of Pre-Algebra
AM63	Diesel/Heavy Equipment Technology

Students in this program will receive training in the operation and repair of diesel engines, chassis and drives, hydraulic power transmissions and electrical and air conditioning systems. Students who complete the program and achieve job entry skills may continue with advanced training through Central Arizona College. It is recommended that students have automotive repair skills.

Prerequisites:	2.0 GPA	Successful completion of 6 high school credits
	Preferred minimum 8 th grade reading, writing, basic math & keyboarding skills.	
	Preferred succ	cessful completion of Pre-Algebra
AB10	Collision Rep	pair Technology

Students will develop the manipulative skills involved in auto body repair and refinishing in Arizona's first NATEF Certified High School Program. Students will also develop an understanding of the underlying theories, technical information and related occupational information to ensure sound judgment and usage of proper procedures involved in the repairing and servicing of the automotive body and chassis. Students will perform jobs ranging from detailing to assisting with a complete paint job in a modern paint booth. Basic instruction focuses on mastery of the Automotive Service Excellence (ASE) task list, which is designed to meet ASE and Inter-Industry Conference on Auto Collision Repair (ICAR) standards. Students rotate annually between collision repair and custom painting. They can start in either course. Custom painting covers all collision paint competencies as well as custom paint techniques and procedures.

Prerequisites: 2.0 GPA Successful completion of Pre-Algebra preferred. 4-6 Semesters

2 Semesters

4 Semesters

4 Semesters

4 Semesters

GRAPHIC COMMUNICATIONS

DA10 3D Animation

This class is designed to give the student more exposure to 3-dimensional modeling, animation and design. Students also gain employability skills and training to complete actual real world jobs. By working with live clients in teams and offering free internships, students learn what the 3d industry requires for a position in commercial 3d animation. Students can acquire and maintain the necessary skills demanded by this competitive field, such as movies, television and interactive computer gaming. Students will receive training in 2d and 3d modeling and texturing, lighting and animation, voice-over, multimedia, video production, storyboarding, design principles and dynamics as well as digital illustration and photo enhancement techniques all in a state of the art lab. EVIT's 3d animation and design is unrivaled throughout Arizona. For several years EVIT's 3d students have taken the gold medal at the statewide competition of SkillsUSA, placing them in the top two percent of their field nationwide. Upon completion of this course the student will have his or her own digital portfolio including a demo reel to present to potential employers.

Prerequisites: 2.0 GPA Minimum of 6 credits (including 1 English credit & 1 Math credit

MM10 Multimedia Technologies

Students will acquire the multiple computer and software skills demanded by the emerging field of Multimedia designers. Learning from the past and exploring the future of multimedia, this class gives students the knowledge and understanding to form a solid career. This course of study will introduce the student to the fundamental concepts, methods and development processes of digitally animated applications using Adobe Flash 8 Professional. This is a course dedicated to teaching digital image manipulation using Adobe PHOTOSHOP. The class covers photo manipulation, color correction, and printing processes. Through a series of lectures, guided practice and practical exercises, the student develops the requisite skills to produce cross-browser compatible website designs and styles using the Hypertext Markup Language (HTML), Cascading Style Sheets (CSS) and optimized web graphics.

Prereauisites: 2.0 GPA Minimum of 6 credits (including 1 English credit & 1 Math credit

Excellent proficiency in reading, writing, & math

AUDIO/VIDEO TECHNOLOGY & COMMUNICATIONS

Radio Broadcasting

RB10

FF10

Students are trained for an entry-level position in the radio broadcasting field using professionally equipped studios. Students explore the operations of a radio station, audio production, radio advertising and marketing, and the music business. Students learn how to work with Digital Audio Workstations that are standard in recording studios. Students have the opportunity to broadcast a show on the campus radio station that is streamed live on the school website. Upbeat, creative personality, positive attitude, good writing skills and good speaking skills are essential. 900 Hours

New radio station "on the air" soon!

Prerequisites: 2.0 GPA 1 English credit

TV10 Video Productions

Students learn the basics of all aspects of visual media productions including film, news, and corporate event production. Students work in a dual platform-based lab (Mac & PC) as well as a fully equipped studio to produce various projects as well as a half hour news program aired on cable TV. Students will have hands-on experiences in class and work with clients on projects. Employment opportunities are available in production houses, news stations and as a freelancer. Placement is individualized.

Prerequisites: 2.0 GPA 1 English credit & 1 math credit

Fire Fighting

PUBLIC SAFETY & SECURITY

2-4 Semesters

The Fire Fighting program prepares students for employment in the fire fighting field. Instruction includes field trips, lecture, demonstrations, and physical training. Classroom/lab activities and instruction include fire hydraulics, apparatus, CPR, emergency response, TQM, employability skills, low/steep/high angle rescue, trench rescue, swift water rescue, confined space rescue, water supply, fire streams, fire control, automatic sprinklers, salvage and overhaul, building construction, fire cause and origin, command procedures, SOP's, dispatch, prevention, public education and fire fighter safety.

Community college articulation is in place with Mesa Community College for up to 18 credits toward Associate of Applied Science Degree.

Prerequisites: 2.5 GPA Successful completion of 6 credits (including 1 English credit & 1 Algebra credit No criminal record Chemistry may be taken concurrently LE10 Law, Public Safety & Security

4 Semesters

Students learn the skills and knowledge necessary to work in a criminal justice/law enforcement-related field. Topics include search and seizure, corrections, courts, community policing and use of appropriate force. In addition, physical training is a major part of this program. Students work closely with local police departments' Explorer programs, and they participate in SkillsUSA.

Community college articulation is in place.

Minimum of 6 credits (including 1 English credit & 1 math credit) Prerequisites: 2.0 GPA

No criminal record

4 Semesters

4 Semesters

2-4 Semesters