EVIT Registration Guide

CAREER TRAINING PROGRAMS

2022-2023 School Year

Revised 2.9.2022

CAREER AND COLLEGE PREP

Passion. Path. Purpose.

2022-2023 EVIT Registration Guide

Table of Contents

NOTE: Any student interested in programs at EVIT may submit an application for consideration. The East Valley Institute of Technology does not discriminate on the basis of race, color, religion, national origin, sex, disability, age, sexual orientation or lack of English language skills in admission and access to its programs, services, activities or any aspect of its operations and provides equal access to designated youth groups. EVIT also does not discriminate in its hiring or employment practices. EVIT has a policy of non-retaliation against any person who makes a complaint, testifies or participates in an investigation or civil rights proceeding regarding prohibited discrimination. EVIT will not request or consider IEPs, 504 Plans or other disability-related information in its admissions process. For "Seniors only" courses, students must have a grade 12 equivalent in academic credits.
The following employees have been designated to handle inquiries regarding EVIT's nondiscrimination policies:

Title IX/Title VII/EEOC Coordinator
EVIT Superintendent
1601 W. Main St., Mesa, AZ 85201
(480) 461-4000
superintendent@evit.com

Section 504/ADA Coordinator
Tony Niccum, STEPS
1601 W. Main St., Mesa, AZ 85201
(480) 461-4154
tniccum@evit.com.

EVIT High School Programs by Campus

Note: Program offerings are subject to change or adjustment based on variety of factors, including student enrollment.

Course Code	Program Name	Main	Power	A.J.	Adult	Page
DA10/20/30	3D Animation	X			X	10
CS14/24	Aesthetics	X	X		X	11
AM10/20/30/35	Automotive Technologies	X			X	12
AV05/10/20/35	Aviation		X		X	13
BK10/20/30	Banking and Financial Services	X			X	14
CS15/25/35	Barbering	X			X	15
MC65/66	Behavior, Mental and Social Health Services	X			X	16
AB10/20/30/35	Collision Repair	X			X	17
CU20/25/26	Commercial Baking and Pastry Arts	X			X	18
CT10/20/25	Construction	X		X	X	19
CS10/20/31	Cosmetology	X	X		X	20
LE10/20/25	Criminal Justice	X	X		X	21
CU10/15/16	Culinary Arts	X			X	22
MC59/60/61	Dental Assisting*	X			X	23
AM63/68/69/70	Diesel Technologies	X			X	24
IT11/30/35	Digital Device Diagnostic and Repair	X			X	25
DP10/20	Digital Photography*	X			X	26
CC10/20/25	Early Childhood Education	X			X	27
TR10/20	Electrical and Power Transmission	X			X	28
MC37/55/56	Emergency Medical Technician*	X			X	29
FIT11/13/25	Fashion Design and Merchandising	X			X	31
FF10/20/25	Fire and Emergency Services	X			X	32
IT60/61/62/63	Future Engineers	X	X			33
MM30/35/40	Graphic/Web Design	X			X	34
AC10/20/25	Heating, Ventilation and Air Conditioning (HVAC)	X			X	35
HM10/20/25	Hospitality Management	X			X	36
FIT12/14/35	Interior Design & Merchandising	X			X	37
MT10/20/30/35	Machining Technology	X			X	38
MA05/06/10/20/25	Massage Therapy	X			X	39
MC19/20/21/22/23	Medical Assistant*	X	X		X	40
IT12/20/22/26	Networking & Cyber Security	X			X	42
MC29/30/31	Nursing Assistant*	X	X		X	43
MC39/57/58	Occupational Therapy Aide*	X			X	45
MC43/63	Pharmacy Technician*	X			X	46
MC38/45/46	Physical Therapy Technician*	X			X	47
PLB10/20/22	Plumbing	X			X	48
RB10/20/30	Radio/Audio Production	X			X	49
IT13/40/45	Software Development, Coding & Mobile App Design	X			X	50
MC14/44/64	Veterinary Assistant*		X		X	51
TV10/20/30	Video Production	X			X	52
WD10/20/25	Welding	X	X	X	X	53

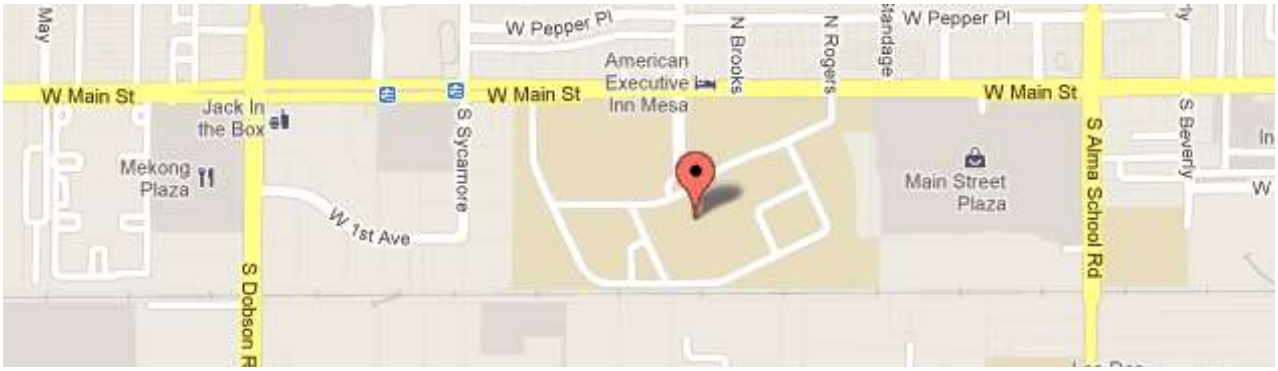
***These are second-year courses. Please see pre-requisites.**

Campuses

*For a listing of programs by campus, please see **page 3.***

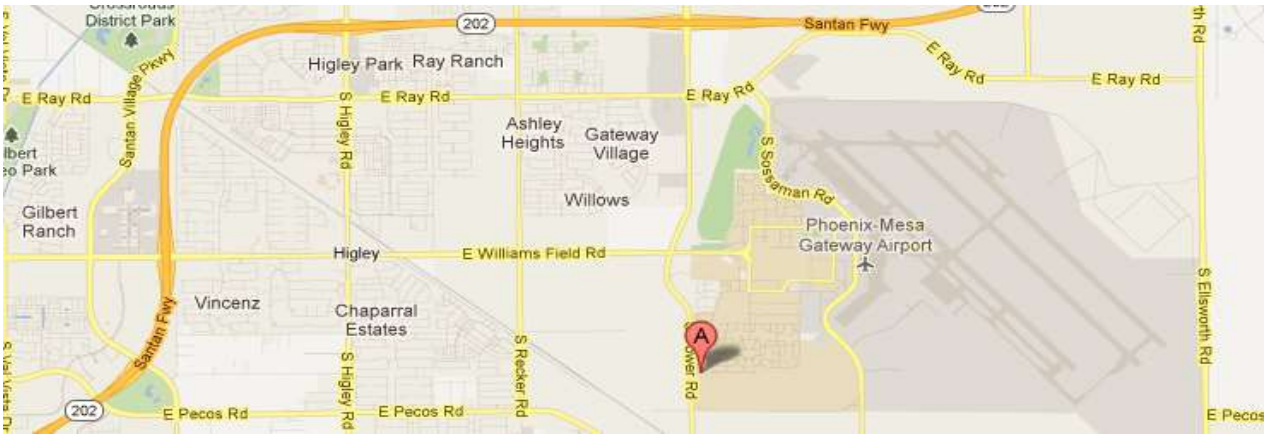
Dr. A. Keith Crandell (Main) Campus

1601 West Main Street, Mesa, Arizona 85201, 480-461-4000



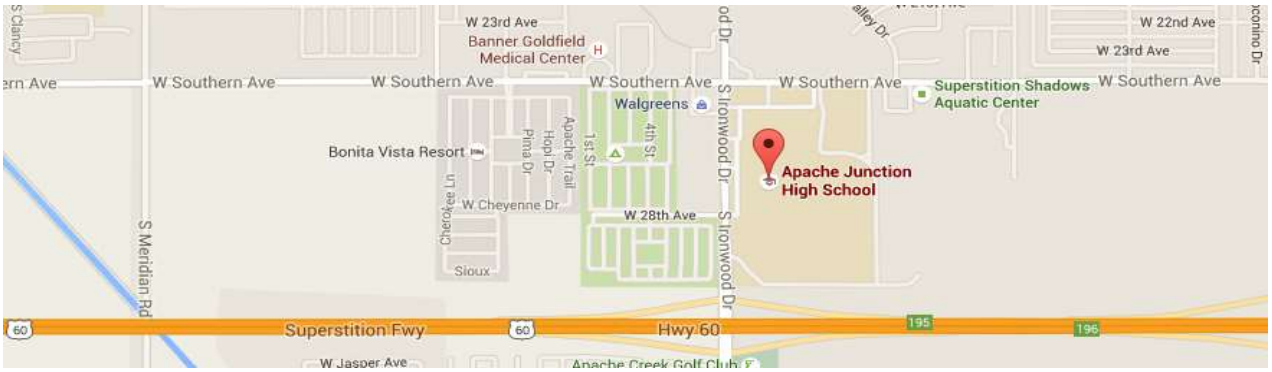
Power Campus

6625 South Power Road, Mesa, Arizona, 85212, 480-308-4600



Apache Junction Campus

2525 South Ironwood Drive, Apache Junction, Arizona, 85120, 480-308-4600



EVIT Campus Contact Information

General Information		
EVIT Main Campus	1601 W. Main Street, Mesa, AZ 85201	480-461-4000
EVIT Power Campus	6625 S. Power Road, Mesa, AZ 85212	480-308-4600
EVIT Apache Junction Campus	2525 S. Ironwood Drive, Apache Junction, AZ 85120	480-308-4600

EVIT Recruitment Team

Blair Howland, Recruiter
480-461-4036 • bhowland@evit.com

Chastain Duarte, Recruiter
480-461-4029 • cduarte@evit.com

Mark McCann, Recruiter
480-461-4168 • mmccann@evit.com

Tarnisha Tilson, Recruiter
480-461-4023 • ttilson@evit.com

EVIT Enrollment Advisors

Cecilia Bryant, Adult Education
Main Campus: 480-461-4028 • cbryant@evit.com

Cristobal Manzo, VA Benefits
Main Campus: 480-461-4013 • cmanzo@evit.com

EVIT Admissions

Angela Sterling, Admissions Specialist
Main Campus: 480-461-4108 • asterling@evit.com

Noelle Villegas, Admissions Specialist
Main Campus: 480-461-4107 • nvillegas@evit.com

Reanna Dominguez, Admissions Specialist
Power Campus: 480-308-4110 • rdominguez@evit.com

Sara Snyder, Admissions Specialist
Power Campus: 480-308-4631 • ssnyder@evit.com

Valerie Gaster, Admissions Specialist
Main Campus: 480-461-4156 • vgaster@evit.com

EVIT Disability Resources & Services

Tony Niccum, STEPS - Special Education & IEP/504 Coordinator
Main & Power Campus: 480-461-4154
tniccum@evit.com
Special Projects: Keys to Success Foster Program, Behavioral Health, Social Services

Anita Aguinaga, Special Education Administrative Assistant
Main Campus: 480-461-4155
aaguinaga@evit.com
Special Projects: IEP/504 Accommodations Coordinator & Services

Frequently Asked Questions

What is EVIT?

The East Valley Institute of Technology (EVIT) is a public career and technical education school providing more than 40 occupational training programs tuition-free to district, charter school and home-schooled high school students who reside within the boundaries of 11 East Valley school districts - Apache Junction, Cave Creek, Chandler, Fountain Hills, Gilbert, Higley, J.O. Combs, Mesa, Queen Creek, Scottsdale, and Tempe.

Classes are offered at three campuses:

- Dr. A. Keith Crandell (Main) Campus, 1601 W. Main St., Mesa
- Power Campus, 6625 S. Power Road, Mesa
- Apache Junction High School, 2525 S. Ironwood Drive, Apache Junction

Students spend a half-day at EVIT and the other half-day at their home high school. School districts provide bus transportation for their students to and from EVIT for most programs. Students must be at least 16 years old. Tuition-based programs for adults are also offered, with financial aid available in some programs for those who qualify.

EVIT's Mission

To change lives by loving our students and serving our communities with a career and college preparatory training experience that produces a qualified workforce, meeting the market-driven needs of business and industry.

EVIT's Vision

Students successfully complete their EVIT experience with industry credentials, college credit and hands-on training, allowing them to become competitive in the global workforce.

EVIT's Purpose

To empower and encourage our students to become productive and passionate about their future career and educational goals.

Business/Industry and 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.

Career & Technical Student Organizations

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

- C-CAP Careers through Culinary Arts Program
- ERA Educators Rising Arizona
- FBLA Future Business Leaders of America
- FCCLA Family, Career, and Community Leaders of America
- HOSA HOSA Future Health Professionals
- SkillsUSA Technical, skilled, and service careers

When do students register?

Students are encouraged to apply for EVIT programs as soon as our online registration opens which is November 1, 2021 for Fall 2022 enrollment. EVIT places students in a class on a first come/first served basis. Students that have all required documentation will be scheduled into a class if they meet the requirements and are accepted into the program. Once the class is full, students will be placed on a waiting list. Each high school has at least one designated counselor with materials and information regarding EVIT registration. For more information, call 480-461-4000 or visit www.evit.com.

What is needed to register?

High school students will need a copy of their transcript, attendance record, discipline record, and immunizations records. For any students attending a school outside of our 11 school districts, proof of residency and proof of age is required.

How many credits can be earned?

A high school student can earn 3-4 credits per year at EVIT applicable toward graduation requirements in their home district. Students who miss ten (10) days or more during a semester and are unable to make up those days will receive a grade of "Audit" for the semester. Students who fulfill the graduation requirements from their home district earn a diploma from their home high school. Community college articulation and/or dual enrollment credit is in place for high school students in designated courses.

Do the high school academic credits from EVIT just count as electives?

Generally, credits earned at EVIT fulfill only elective credit requirements for graduation. EVIT does offer Arizona Board of Regents (ABOR) approved embedded credits for specific programs. These credits are recognized and accepted at all Arizona universities as part of the entrance requirements. For the year-long course, students earn one (1) lab science credit and two (2) elective credits for a total of three (3) credits. EVIT staff are working to get other EVIT program courses recognized as fulfilling core academic graduation requirements. Please check with your high school for specific information and acceptance of embedded credit.

What time are classes?

Classes meet Monday through Friday from 8:00 a.m. to 10:35 a.m. or 12:00 p.m. to 2:35 p.m. Students have the option of attending the AM or PM session. They attend their home school during the other portion of the day. The class times for some programs, such as Cosmetology, Barbering and some medical programs may be extended to meet state certification requirements. Transportation to/from extended hour classes may not be provided by your district. Please check with your home school if transportation is needed.

Are there fees?

EVIT is tuition-free for high school students. Class fees vary by program and are based on the cost of required tools, supplies/materials, certification/licensure exams and career and technical student organization (CTSO) membership.

Are classes at EVIT offered to adults?

Classes are available and open to adult students during the daytime, as space permits, and in the evening for some courses. Adult students have the option to attend adult-only post-secondary programs or high school programs, if space is available. Tuition is charged for adult students. For more information about programs for adult students, please contact Adult Education @EVIT at (480) 461-4110 or visit www.evit.com/adulted.

Get Social & Stay Connected with EVIT!

Keep up with the latest EVIT happenings through our many social media channels. The EVIT Facebook page has more than 15,000 followers and lots of photos from classes and activities from the EVIT campuses. Watch us on YouTube, follow us on Twitter and Pinterest, and be sure to check out all the new things going on at the different EVIT campuses on Instagram & Snapchat!

facebook.com/EVITnews

twitter.com/EVITnews

instagram.com/EVITNews

snapchat.com/add/evitnews

pinterest.com/EVITNews

youtube.com/EVITnews

Official EVIT Promo Video: https://bit.ly/38ZNI66

Good morning, EVIT!

Are you in to podcasts? Then you need to follow Bre Marshall's weekly "Good Morning, EVIT" podcast featuring staff and students from EVIT: https://anchor.fm/evitnews. Bre is EVIT's Events Director in our Admissions Department. She is also an alum of EVIT's Radio/Audio Production program.

EVIT Registration Process

1. Students should familiarize themselves with the curriculum and requirements for their program of choice. This can be done through the EVIT website or though this guide.

2. Students should plan to dedicate at least three hours in their daily schedule to attend EVIT.

   Morning session: 8 to 10:35 a.m.
   Afternoon session: noon to 2:35 p.m.

   Please note: Cosmetology, Aesthetics, Barbering, 1-year Massage Therapy, & 1-year Medical Assistant have extended hours and meet from 7 a.m. to 11 a.m. or 12 p.m. to 4 p.m. Students may have to provide their own transportation for these programs.

3. Students should be informed of the date EVIT recruiters/counselors will visit their campus.

4. Students should have the following documents in hand when meeting with EVIT recruiters/counselors or completing online application:
   - Unofficial transcript
   - Attendance record (or rubric completed by home high school counselor)
   - Discipline record (or rubric completed by home high school counselor)
   - Proof of age (may be on transcript)
   - Immunization records
   - Proof of residency, if attending a private or charter school

Returning EVIT Students

Students who are returning for a second year will not need to re-apply. Students will complete a Returning Student Form through EVIT Admissions to reserve a slot for their program of choice. Students requesting to return for a new program, different from the one they completed, will need to submit an updated transcript along with their Returning Student Form. High school counselors may contact the EVIT Registrar at the end of May for a tentative enrollment list of their students. Please note that new and returning student enrollments are subject to change depending on course enrollment totals.

Walk-In Registration

EVIT's Admissions Department is centrally located at the Dr. A. Keith Crandell (Main) Campus, 1601 W. Main Street, Mesa. Office hours are 7:30 a.m. to 4 p.m., Monday through Friday during the school year with summer hours 7:30 a.m. to 4:00 p.m., Monday through Thursday. It is recommended that students/parents requiring specialized advisement call ahead at 480-461-4000.

Walk-In registration still requires the completion of an online application, which can be completed in our admissions department. Please advise your students that they will need to hand carry all required documents for their application to be scanned and uploaded by EVIT Admissions. Students will be reviewed and scheduled in order of online application, however EVIT admissions can let you know immediately if you meet the acceptance criteria. It is the student/parent responsibility to coordinate their schedules with their respective high school counselor.

Be advised: EVIT has moved to an online registration system. Please visit www.evit.com & click on ENROLL NOW.

3D Animation DA10 • DA20 • DA30

Bring creative ideas to life by combining traditional artistic skills and design techniques to develop projects in 3D animation, visual effects and game assets. You'll develop skills in environmental and character modeling, texturing, lighting, rigging, animation and more using industry standard software such as Maya, Z-brush, Adobe After Effects, and others. Students leave the class with a tangible portfolio, a portfolio website and have the opportunity to become an Autodesk Certified User.

Course Code	DA10, DA20, DA30
Length of Course	2-4 Semesters
Campus Locations	EVIT Main Campus
College Credit	This program offers college credit opportunities.
Certification	Autodesk Certified User (Maya)
Prerequisites	6 high school credits completed 2.0 GPA ** strong art skill are a plus **
Career Pathway	Digital Animator, Game Designer, Character Animator, Interactive Media Designer, Modeling, Texturing, Animation, Rigging, Dynamic Effects, Environmental Design, Visual Effects, Scientific Illustration, Architectural Visualization, Interior Design Visualization, Product Prototype Visualization, Training Simulation, and Courtroom Re-enactment Visualization
Suggested courses to be taken at home school prior to or during program	Computer courses emphasizing desktop publishing; English courses; Business Math courses, Introduction to Technology courses, Art courses

Students are graded on:

- Demonstration of effective practices in meeting deadlines, file management, naming conventions, time management, prioritizing multiple tasks and concurrent projects and teamwork.
- Effective use of pre-production and storyboarding techniques to plan projects.
- Application of traditional art techniques and concepts, such as drawing, painting, sculpting, perspective, color theory, composition and the elements and principles of design to digital 3D imagery.
- Creation of appealing and believable scenes using modeling, texturing and lighting techniques.
- Demonstration of strategic placement of topology and edge flow to create efficient, functional and appealing models.
- Creating edge flow that properly conforms to the muscular structure of a character to meet the needs of the animator.
- Demonstrate knowledge of the appropriate use of procedural shaders versus texture maps in various circumstances.
- Demonstration of effective UV unwrapping techniques translating the 3-dimensional model to a 2-dimensional map for texturing.
- Quality of execution in the painting of diffuse bump, specular and reflection maps and grunge patterns for texturing.
- Effective use of lighting and texturing to enhance realism, set a specific mood, and/or create a visually interesting color palette.
- Effective use of animation techniques and principles to create believable movement and tell compelling stories.
- Demonstration of knowledge and application of the 12 Principles of Animation in all animated work.
- Enhancement of the mood of a scene or sequence using effective use of cameras, rendering techniques and special effects.
- Quality of incorporation of sound into a sequence.
- Creation of quality finished animations using basic compositing and post-production techniques.
- Creation and incorporation of well-designed and functional assets into the game engine.
- Demonstration of effective practices in evaluating projects individually at various stages to determine needs for improvement.
- Demonstration of effective practices in collaborating with other students informally and participating in formal in-class discussions and critiques.

Aesthetics CS14 • CS24

Specialize in the science of skin care and makeup application. Learn techniques for exfoliation, skin analysis, deep pore cleansing, specialized treatments, facials and waxing. Prepare to take the Arizona State Board of Cosmetology exam for Aestheticians after completing this 600-hour program.

Course Code	CS14, CS24
Length of Course	2 Semesters (600 clock hours) ***** Students attend 4-hours each day & may be required to provide their own transportation.***
Campus Locations	EVIT Main Campus EVIT Power Campus
College Credit	This program offers college credit opportunities.
Certification	Arizona Board of Cosmetology Aesthetics Licensure
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Aesthetician, Makeup Artist, Manufacturer or Product Representative, Salon Receptionist, Medical Aesthetician, Salon Manager entrepreneur or Owner
Suggested courses to be taken at home school prior to or during program	Chemistry, English courses, Human Resource or Service-related courses, Biology, anatomy

Students are graded on:

- Demonstrating safety in the workplace.
- Applying Arizona state laws and regulations for exposure to blood and body fluids.
- Referring techniques for medical treatment when a disorder or disease is noticed.
- Maintaining cleaning, disinfecting and regular inspections of all tools and equipment following safety guidelines and manufacturer's instructions.
- Applying infection control and safety standards according to Arizona State Board of Cosmetology guidelines.
- Mixing and using disinfectants following manufacturers' instructions.
- Applying wet disinfection procedures to tools and implements.
- Applying dry storage methods for pre-disinfected tools and implements.
- Sanitizing of electrical equipment following manufacturers' instructions.
- Hand-washing procedures and use of sanitizer before servicing clients.
- Demonstrating morphology and treatment of the skin.
- Identifying skin diseases and disorders.
- Demonstrating eyebrow shaping.
- Applying makeup.
- Performing extraction techniques.
- Performing skin modalities and treatments.
- Performing lash and eyebrow tinting.
- Applying artificial eyelashes.
- Demonstrating professional skills.
- Demonstrating oral communication with clientele.
- Identification of the factors of successful entrepreneurship.
- Demonstrating the use of information technology tools.
- Demonstrating mathematic formulas used in aesthetics.
- Problem solving by analyzing and applying data and measurements.
- Demonstrating and following written and oral instructions.
- Drafting, writing and editing written documents using correct grammar, punctuation and vocabulary.

Automotive Technologies AM10 • AM20 • AM30 • AM35

Train for a career in the automotive industry through Automotive Service Excellence Technicians Education Foundation certified instruction and Automotive Service Excellence (ASE) certified instructors. This program focuses on employment standards that prepare students for the workforce. Learn all aspects of auto repair and maintenance including engine performance, engine repair, electrical systems, brakes, steering, suspension and alignment. Practice and master hands-on skills on late-model automobiles and participate in work-based internship and job shadowing.

Course Code	AM10, AM20, AM30, AM35
Length of Course	2-4 Semesters
Campus Locations	EVIT Main Campus
College Credit	This program offers college credit opportunities.
Certification	Automotive Service Excellence (ASE) Student Certifications (10)
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Automotive Technician, Mechanic Technician, Parts Technician, Service Writer
Suggested courses to be taken at home school prior to or during program	Tech Math, Pre-Algebra, Introduction to Industrial Technology, Introduction to Computers, Keyboarding, Automotive I or II

Students are graded on:

- Lifting, pushing and pulling equipment up to 50 lbs.
- Inspecting, testing, measuring and performing necessary services for: engine oil, transmission fluid, coolant, brake fluid and differential fluid.
- Inspecting, testing and determining necessary action on various vehicle cooling systems, including water pump, thermostat, hoses and cooling fans.
- Inspecting, testing and determining necessary action on various vehicle electrical systems, including electrical fundamentals, Ohm's law, Kiercheff's Law, Faraday's law and Watt's law.
- Inspecting, testing and determining necessary action on various vehicle charging systems, including batteries, alternators, regulators and wiring.
- Inspecting, testing and determining necessary action on various vehicle fuel systems, including fuel pump, fuel injectors and electronic controls.
- Inspecting, testing and determining necessary action on various vehicle ignition systems, including primary and secondary ignition systems, ignition mapping and electronic controls.
- Inspecting, testing and determining necessary action on various vehicle emission systems, including vapor canisters, solenoids, hoses and controls.
- Inspecting, testing and determining necessary action on various vehicle computer systems, including onboard diagnostics, control systems, wiring and diagnostic procedures.
- Inspecting, testing and determining necessary action on front end suspension systems, rear suspension systems, tire mount, balancing, repairs and proper alignment procedures.
- Inspecting, testing and determining necessary action on brake systems, including master cylinder, wheel cylinders, calipers and brake linings.
- Inspecting, testing and determining necessary action with engine mechanical, including engine block, cylinder heads, engine timing components, crankshaft, camshaft and lubricating systems.
- Inspecting, testing and determining necessary action regarding vehicle HVAC systems, including compressors condensers, evaporators, orifice tubes, expansion valves, control systems and related wiring.
- Effort - willingness to follow directions and to participate in the learning process.
- Preparedness - arriving with notebook, writing instrument and dressed in required uniform.
- Behavior - avoiding disruptive behavior and respecting other students.
- Punctuality and attendance.
- Every student will have two (2) opportunities during the school year to take the ASE student certification tests.
- Every student will have an opportunity during the school year to take the S/P2 exams.

Aviation AV05 • AV10 • AV20 • AV35

Explore the exciting world of aviation through classroom experiences and hands-on lab work. Learn about the history of aviation, job opportunities and "hands-on" skill sets require for careers in areas such as air transportation operations, air traffic control, airframe and power-plant maintenance, professional pilot, airport management and unmanned aircraft systems (UAS) operations. Advanced Aviation Year 2 includes several more dual enrollment classes applicable to the aviation degrees. Several options are available to begin your flight training in the second semester. This includes both airplanes and rotorcraft. Those not entering flight training will be involved in an internship.

Course Code	AV05, AV10, AV20, AV35
Length of Course	2-4 Semesters
Campus Locations	EVIT Power Campus
College Credit	This program offers college credit opportunities.
Certification	Federal Aviation Administration (FAA) Ground School or Federal Aviation Administration (FAA) Remote Pilot, Private Pilot
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Airline Pilot, Air Traffic Controller, Unmanned Aircraft Systems Operations, Flight Attendant, Aircraft Maintenance Technician, Airport Manager
Suggested courses to be taken at home school prior to or during program	Algebra II or Trigonometry/College Math, Pre-Calculus, Physics, ROTC

Students are graded on:

- Demonstrating knowledge of history and growth of the aerospace industry.
- Recognizing the current challenges and opportunities in the further development of aviation.
- Demonstrating awareness of the fundamentals of flight.
- Applying principals regarding the application of the physics of flight (e.g., Newton's laws of motion, Bernoulli's principle and Venturi effect).
- Identifying the function and parts of an airfoil, including flight control surfaces (e.g., leading edge, trailing edge, chord and upper and lower camber).
- Demonstrating an understanding of federal aviation regulations (FAR) and other regulations.
- Demonstrating an awareness of airframe and power plant systems.
- Verbalizing and identify power plant components and the theory of operation.
- Demonstrating knowledge of basic electricity as it applies to various aircraft electrical systems.
- Demonstrating an understanding of aerospace navigational systems and procedures.
- Preparing and demonstrating a cross-country flight with simulation devices.
- Verbalizing and applying understanding of aerospace navigational systems and procedures.
- Demonstrating an understanding of airport operations and management.
- Understanding airport support systems and function (e.g., air traffic control, security, aircraft support, terminal management and information systems.
- Demonstrating safety in aviation.
- Recognizing shop safety considerations (FOD, tool accountability and usage, calibration, maintenance, storage, PPE and hazmat).
- Demonstrating an understanding of meteorology.
- Demonstrating an understanding of weather hazards and how to deal with them.
- Demonstrating the ability to access weather information through a variety of media, including printed reports, forecasts and graphic weather products.
- Demonstrating flight planning skills.
- Understanding and demonstrating weight and balance theory and calculations.
- Recognizing and understanding concepts of CRM (Crew Resources Management).
- Demonstrating correct ADM (Aeronautical Decision Making) skills.
- Understanding basic aviation physiology and its importance.

Banking and Financial Services BK10 • BK20

Prepare for a career in the banking industry, working in a bank branch, credit union and potentially as a bank executive. Students will learn the back-end and front-end operation of a bank or a credit union branch. Students will learn to analyze customer profiles and to sell bank products. The course includes both an in-class academic component, as well as a hands-on experience that includes the operation of an actual credit union branch under the supervision of banking professionals.

Course Code	BK10, BK20
Length of Course	2 Semesters
Campus Locations	EVIT Main Campus
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Bank Teller, Personal Banker, Loan Officer, Business Banker, Bank Manager, Bank Executive, Accountant
Suggested courses to be taken at home school prior to or during program	Math and English Courses, Speech and Communications

Students are graded on:

- Understanding the principles of banking and financing.
- Professional skills as a bank teller.
- Professional skills as a personal banker.
- Professional skills as a bank manager.
- Communications skills with mock and real customers in a bank setting.
- Mathematical analysis of banking information.
- Marketing skills of bank products.
- Ability to work well with others in a professional environment.
- Understanding of bank products, including checking accounts, credit cards, loans and financial market products.
- Knowledge of financial markets and how they function.
- Knowledge of the functions of micro- and macro-economics.

Barbering CS15 • CS25 • CS35

Imagine having a fun, high-paying job that lets you use your creativity to make people look good! Skills learned in the Barbering program focus on the care of hair, skin and nails. Technical training will include the theory of chemicals and hair coloring, cutting, styling, facial hair, client safety, hygiene and customer relations. Students will provide services to the public in a working barber shop on the EVIT campus. After completing the 1,500-hour course, students are prepared to take the State of Arizona Board of Barbers licensing exam.

Course Code	CS15, CS25, CS35
Length of Course	4+ semesters (1500 clock hours) ***** May require some summer hours*** ***** Students attend class for four hours each day and may be required to provide their own transportation.***
Campus Locations	EVIT Main Campus
Certifications	Arizona Board of Barbering Barber Licensure
Prerequisites	6 high school credits completed 2.0 GPA
Documents required for the program	Proof of Age (Birth cert.), Social Security Card or Waiver, signed Statement of Understanding of Program Requirements.
Career Pathway	Barber, Barber Shop Operator, Master Barber, Stylist, Platform Artist
Suggested courses to be taken at home school prior to or during program	Chemistry, English courses, Human Resources or Service- related courses

Students are graded on:

- Safety in the workplace.
- Applying Arizona state laws and regulations for exposure to blood and bodily fluids.
- Referring techniques for medical treatment when a disorder or disease is noticed.
- Maintaining, cleaning, disinfecting and regular inspections of all tools and equipment following safety guidelines and manufacturers' instructions.
- Applying infection control and safety standards according to State of Arizona Board of Barbers guidelines.
- Mixing and using disinfectants following manufacturers' instructions.
- Applying wet disinfection procedures to tools and implements.
- Applying dry storage methods for pre-disinfected tools and implements.
- Sanitizing electrical equipment following manufacturers' instructions.
- Hand-washing procedures and use of sanitizer before servicing clients.
- Identifying chemicals and their usage related to Barbering.
- Demonstrating scalp and hair treatments.
- Demonstrating haircutting techniques.
- Proper use of shears, razors and clippers and texturing techniques.
- Demonstrating beard, mustache and sideburn trimming.
- Demonstrating chemical texture services.
- Performing texturing techniques, such as rod placement, permanent waving and hair- relaxing.
- Demonstrating styling techniques.
- Performing wet hairstyling techniques, including roller and wave placement.
- Performing thermal styling techniques.
- Performing specialized styling techniques such as braiding and extensions.
- Demonstrating hair coloring techniques.
- Performing FDA- and state- mandated patch test to determine sensitivity to product.
- Performing product color mixing.
- Demonstrating special hair color effects.
- Performing corrective hair color services.
- Demonstrating morphology and treatments for nails and skin.
- Recognizing skin diseases and disorders.
- Demonstrating eyebrow shaping.
- Performing extraction techniques.
- Performing skin modalities and treatments.
- Performing lash and eyebrow tinting.
- Demonstrating professional skills.
- Demonstrating oral communication with clientele.
- Identification of the factors of successful entrepreneurship.
- Demonstrating the use of information technology tools.
- Utilizing mathematic formulas applicable to cosmetology.
- Problem solving by analyzing and applying data and measurements.
- Following written and oral instructions.
- Drafting, writing and editing written documents using correct grammar, punctuation and vocabulary.

Behavior, Mental & Social Health Services MC65 • MC66

Prepare for a career in behavioral and social health as a behavioral health technician or mental health technician. The certification can lead to job opportunities as a case manager, parent aide, family advocate, respite worker, and paraprofessional counselor. Certified Mental Health Technicians may work as part of a team and care for emotionally disturbed and mentally ill patients. Job opportunities are found in both public and private hospitals, nursing homes, and residential mental health facilities. Duties may include coordinating mental health services, patient interviews, treatment documentation as well as helping patients with their personal needs. This two-semester program will provide foundational modules in care delivery systems, legal/safety requirements, introduction to basic mental and social illnesses, disorders and conditions as well as strategies to improve mental and social health and resources to problem solve and promote well-being.

Course Code	MC65, MC66
Length of Course	2 semesters ***** Students will be randomly drug tested***
Campus Locations	EVIT Main Campus
Certifications	Mental Health Technician, Article 9 Certification, Psychological First Aid
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Behavioral Health Technicians, Case Managers, Parent Aides, Family Advocates, Respite Care Workers and Paraprofessional Counselors
Suggested courses to be taken at home school prior to or during program	Science, Math and English Courses, Speech and Communications

Students are graded on:

- Analyzing the delivery system for mental and social health services.
- Analyzing the legal safety requirements for mental and social services.
- Analyzing mental and cognitive development.
- Analyzing basic mental and social health illnesses, disorders and conditions.
- Analyzing factors that influence decisions about mental and social health services.
- Analyzing strategies that help improve mental and social health.
- Actively developing and participating in mental and social health case studies.
- Using problem solving skills to improve mental and social health.
- Using goal setting to improve mental and social health.
- Analyzing strategies that support the needs and rights of others.
- Applying basic math and science skills.
- Employing skills that will help engage others and build trust.
- Investigating information, products and services that support mental and social health services.
- Working with others in groups or teams to determine and diagnose mental and social health illnesses, disorders and conditions.

Collision Repair AB10 • AB20 • AB30 • AB35

Learn the collision repair business from A-Z, including damage diagnosis (estimating), non-structural metal repair, structural repair, including set-up and measuring on frame equipment, paint preparation and refinish techniques with paint mixing, paint matching and blending procedures. Finish procedures will familiarize you with color sanding and buffing as well as detailing. This is Arizona's first Automotive Service Excellence Education Foundation certified collision program. Students will have the opportunity to take I-CAR classes and obtain I-CAR credit hours as well as the opportunity to secure ASE (Automotive Service Excellence) certifications. Prepare for entry level jobs ranging from body or paint technician, parts procurement, production manager, insurance estimator or adjuster, paint or tool rep or salesperson and many more.

Course Code	AB10, AB20, AB30, AB35
Length of Course	2-4 Semesters
Campus Locations	EVIT Main Campus
Certification	Automotive Service Excellence (ASE) Student Certification National Automotive Technicians Education Foundation (NATEF) Certification
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Automotive Painter, Collision Repair Technician, Light Assembler, Damage Appraiser
Suggested courses to be taken at home school prior to or during program	Tech Math, Algebra, Introduction to Industrial Technology, Language

Students are graded on:

- Performance of non-structural analysis and damage repair on vehicles.
- Demonstration of outer body panel repairs, replacements and adjustments.
- Demonstration of metal finishing and body filling.
- Identification of moveable glass and hardware requirements.
- Performance of metal welding and cutting.
- Performance of plastics and adhesive repair.
- Application of safety precautions when painting and refinishing.
- Performance of surface preparation for painting and refinishing.
- Performance of spray gun and related equipment operations.
- Demonstration of paint mixing, matching and application.
- Identification of paint defects, causes and cures.
- Performance of final painting and refinishing skills.
- Demonstration of damage analysis.
- Performance of vehicle estimations.
- Identification of vehicle construction.
- Identification of vehicle parts.
- Customer relations and selling skills.
- Shop safety and hazardous waste handling.
- Diagnosing damage and performing computer analysis.
- Identification of body and mechanical parts.
- Describing vehicle construction.
- Carrying, pushing and pulling equipment weighing as much as 50 pounds.
- Demonstration of metal repair techniques.
- Final cleaning/detailing of customer vehicle for delivery.

Commercial Baking and Pastry Arts CU20 • CU25 • CU26

Learn the tools-of-the-trade and professionalism necessary to gain employment as a baker, pastry chef or business owner. Baking instruction focuses on making cookies, cakes, chocolate confections, tarts, breads and plated desserts. The class also advances to cake decorating, pastries, plate painting, individual desserts and wedding cakes. Students manage an on-site retail bakery and pastry shop to learn what it's like working in the industry and with the public. EVIT's Commercial Baking and Pastry Arts program is accredited by the Accrediting Commission of the American Culinary Federation Education Foundation.

Course Code	CU20, CU25, CU26
Length of Course	2-4 Semesters
Campus Locations	EVIT Main Campus
College credit	This program offers college credit opportunities.
Certification	ServSafe Manager ACF Certification
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Hotel, Restaurant, Bake and Pastry Shop, Apprentice Cooks, Bakers, Decorators, Assistants and Stewards
Suggested courses to be taken at home school prior to or during program	Tech Math or Business Math, Introduction to Hospitality, Cooking courses, English courses, Basic Science, Foreign Language, Computer Skills

Students are graded on:

- Developing an understanding of the hospitality industry and career opportunities in the field.
- Investigating trade publications and professional organizations appropriate for continuing education.
- Becoming familiar with the organizational structure and basic functions of departments within hospitality and food service establishments.
- Developing an understanding of the basic principles of sanitation and safety and applying them in the food service operations.
- Reinforcing personal hygiene habits and food handling practices that protect the health of the consumer.
- Performing mathematical functions related to food service operations.
- Developing skills in knife, tool and equipment handling and applying principles of food preparation to produce a variety of foods.
- Operating equipment safely and correctly.
- Developing skills in producing a variety of cold food products.
- Preparing items appropriate for buffet presentation, including decorative pieces.
- Applying the fundamentals of baking science to the preparation of a variety of products.
- The use and care for equipment normally found in the bakeshop or baking area.
- Understanding purchasing and receiving practices in quality food service operations.
- Receiving, inventorying and storing food and non-food items properly.
- Describing the characteristics, functions and food sources of major nutrients and how to maximize nutrient retention in food preparation and storage.
- Performing dining room service functions using a variety of types of service.
- Understanding of quality customer service.
- Developing an understanding of the basic principles of menu planning and layout.
- Developing skills in human relations.
- Developing skills in precision knife, tool and equipment handling and applying principles of baking preparation to produce a variety of baked goods.
- Operating equipment safely and correctly.
- Developing an understanding of the basic principles of bakery planning and layout.

Construction CT10 • CT20 • CT25

Learn to build a structure from the ground up! Develop hands-on skills in various disciplines of commercial and residential construction including electrical wiring, plumbing, masonry, framing, roofing, drywall and finish work. Students also gain an understanding of safety, the use of hand and power tools, blueprint reading, and estimating and construction operations. Students will have the opportunity to obtain the OSHA 10-hour card in Construction. Industry-driven curriculum and internships prepare students for employment, apprenticeship programs, community college or a four-year post-secondary institution.

Course Code	CT10, CT20, CT25
Length of Course	2-4 Semesters
Campus Locations	EVIT Main Campus EVIT Apache Junction Campus
College credit	This program offers college credit opportunities.
Certification	OSHA 10 NCCER Construction Technology
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Electrician, Plumber, Framer, Mason, Blueprint Reader, Apprentice/Helper
Suggested courses to be taken at home school prior to or during program	Courses in building items; Algebra, General Science, Geometry

Students are graded on:

- Following job safety regulations according to OSHA guidelines.
- Maintaining worksite safety, including a safety plan for emergency situations.
- Demonstrating safe work procedures around electrical hazards.
- Inspecting, safe use and proper maintenance of hand tools in accordance with OSHA regulations.
- Demonstrating appropriate lifting up to 100 lbs.
- Identifying blueprint terms, components and symbols.
- Identifying a set of drawings/symbols/scales and legends.
- Reading blueprints and creating material lists.
- Relating information on blueprints to actual locations.
- Identifying and use drawing dimensions.
- Recognizing building codes.
- Demonstrating the use and care of precision measuring instruments.
- Establishing building lines and recognizing trade-specific layout.
- Using a builder's level or transit and differential leveling procedures to determine site and building elevations.
- Recording site layout data and information in field notes using accepted practices.
- Preparing and pouring a footing.
- Laying brick/block to specification, constructing a foundation wall or pier, cutting brick and block accurately.
- Demonstrating the process of depositing, spreading, consolidating, and striking off concrete in a form.
- Installing plumbing fixtures or equipment.
- Describing the functions of drainage.
- Identifying electrical service entrance requirements.
- Trimming out electrical devices.
- Demonstrating methods of paint application.
- Constructing concrete formwork.
- Estimating the material needed for concrete/masonry work.
- Accurate installation of sill plate(s), properly setting posts, constructing or placing girders/beams.
- Matching selected fasteners used in floor framing to their correct uses.
- Estimating the amount of material needed to frame a floor assembly, laying out and constructing floor assembly.
- Installing a subfloor using plywood/OSB panels.
- Laying out wall lines, including plates, corner posts, door and window openings, partition Ts, and bracing and plan for the installation of fire stops.
- Assembling wood and metal stud walls, erecting, and bracing exterior walls for a frame building.
- Cutting and installing ceiling joists on a wood frame building.
- Estimating the materials required to frame walls and ceilings.
- Constructing conventional roof and/or set truss systems.
- Demonstrating the techniques for installing a variety of types of roofing materials.
- Estimating the materials used in framing and sheathing.
- Accurately Identifying types of insulation.
- Describing the function of an HVAC system.
- Describing and/or installing various types of energy efficient systems.
- Identifying and/or installing various types of siding.
- Explaining and/or demonstrating the installation of exterior stucco finish.
- Installing door systems, door hardware, window systems, baseboards and casings.
- Identifying the major components of drainage.
- Assembling a soil, waste and vent system.
- Measuring, cutting and joining plastic and copper piping.
- Installing electrical enclosures.
- Selecting/installing insulation and installing low voltage systems.
- Identifying type and use of drywall and installing it.

Cosmetology CS10 • CS20 • CS31

Imagine having a fun, high-paying job that lets you use your creativity to make people look good! Skills learned in cosmetology focus on the care and beautification of hair, skin & nails. Technical training includes the theory of chemicals and hair coloring, cutting, client safety, hygiene and customer relations. Second-year students provide services to the public in a working salon on the EVIT campus. After completing the 1,500-hour course*, students are prepared to take the Arizona State Board of Cosmetology licensing exam.

Course Code	CS10, CS20, CS31
Length of Course	4 semesters (1500 clock hours*) **** To complete 1500 hours, students may have to complete additional learning opportunities in their first & second year.*** ***** Students attend class four hours each day and may be required to provide their own transportation.***
Campus Locations	EVIT Main Campus EVIT Power Campus
College credit	This program offers college credit opportunities.
Certification	Arizona State Board of Cosmetology State License
Prerequisites	6 high school credits completed 2.0 GPA
Documents required for the program	Transcript with 10 credits including 2 credits of English (as mandated by state regulation), Social Security Card or Waiver, signed Statement of Understanding of Program Requirements, and a Cosmetology enrollment form.
Career Pathway	Cosmetologist, Hair Stylist, Salon Owner, Platform Artist, manager, entrepreneur, sales distributor, product educator, and more
Suggested courses to be taken at home school prior to or during program	Chemistry, English courses, Human Resource or Service-related courses

Students are graded on:

- Safety in the workplace.
- Applying Arizona state laws and regulations for exposure to blood and body fluids.
- Referring techniques for medical treatment when a disorder or disease is noticed.
- Maintaining, cleaning, disinfection and regular inspections of all tools and equipment following safety guidelines and manufacturers' instructions.
- Applying infection control and safety standards according to Arizona State Board of Cosmetology guidelines.
- Mixing and using disinfectants following manufacturers' instructions.
- Applying wet disinfection procedures to tools and implements.
- Applying dry storage methods for pre-disinfected tools and implements.
- Sanitizing electrical equipment following manufacturers' instructions.
- Hand-washing procedures and use of sanitizer before servicing clients.
- Identifying chemicals and their usage related to cosmetology.
- Demonstrating scalp and hair treatments.
- Demonstrating haircutting techniques.
- Proper use of shears, razors and clippers and texturing techniques.
- Performing wet hairstyling techniques, including roller and wave placement.
- Performing thermal styling techniques.
- Performing specialized styling techniques such as braiding and extensions.
- Demonstrating hair coloring techniques.
- Performing FDA- and state-mandated patch test to determine sensitivity to product.
- Performing product color mixing.
- Demonstrating special hair color effects.
- Performing corrective hair color service.
- Recognizing skin diseases and disorders.
- Demonstrating professional skills.
- Demonstrating oral communication with clientele.
- Identification of the factors of successful entrepreneurship.
- Demonstrating the use of information technology tools.
- Utilizing mathematical formulas applicable to cosmetology.
- Problem solving by analyzing and applying data and measurements.
- Following written and oral instructions.
- Drafting, writing and editing written documents using correct grammar, punctuation and vocabulary.
- Demonstrating styling techniques.
- Demonstrating chemical texture services.
- Performing texturing techniques, such as rod placement, permanent waving and hair-relaxing.
- Demonstrating beard, mustache and sideburn trimming.

Important Reminders:

- Vacancies that occur throughout the year will be filled from the current year's placement list.
- Applications are NOT held over from year-to-year.
- Students attending any of the EVIT Cosmetology programs must supply their own transportation.

Criminal Justice LE10 • LE20 • LE25

Prepare for a career in the Criminal Justice system. Training includes basic crime scene investigations, forensics, report writing, court functions, jail functions, interrogation skills, police functions and physical fitness. Students will gain a strong foundation in interpersonal and soft skills, which will help them in entering a career in the criminal justice system, including law enforcement, courts, jails, correctional institutions, and probation and parole. The program will prepare students for military service, college, or employment in criminal justice.

Course Code	LE10, LE20, LE25
Length of Course	2-4 Semesters
Campus Locations	EVIT Main Campus EVIT Power Campus
College credit	This program offers college credit opportunities.
Certification	Unarmed Guard Card ***** Students who reach age of 18 before completing the program may earn their Arizona Security Guard Card, allowing them to work in the field upon completion.***
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Police Officer, Police Aide, Corrections Officer, Probation Officer, Federal Agent, Attorney, Crime Scene Specialist, Forensics Scientist
Suggested courses to be taken at home school prior to or during program	Law-related courses, English courses, Public Speaking courses, Math Tech courses, Human Relations courses

Students are graded on:

- Knowing the historical beginnings of law enforcement.
- Comparing and contrasting past and present roles of law enforcement officers.
- Describing the application of constitutional law for arrest, search and seizure.
- Analyzing Arizona Revised Statutes.
- Describing levels, differences and purpose of court system.
- Describing federal jurisdiction relative to state jurisdiction and concurrent federal/state jurisdiction.
- Describing the trial process, purpose and rights of witnesses, impeachment of witness, self-incrimination, immunity from prosecution and double jeopardy.
- Defining bail and alternatives to bail.
- Describing origins and functions of the grand jury.
- Describing the function of a trial jury.
- Identifying the rights of the accused during trial.
- Describing court appearance, proceedings and the appeals process
- Comparing and contrasting safety precautions and procedures in law, public safety and security.
- Discussing personal and environmental safety precautions.
- Analyzing community safety, warning and reaction systems-Emergency Alert System (broadcast stations, cable and wireless cable systems).
- Exploring the role of community-based policing.
- Identifying situation requiring first aid /emergency care.
- Identifying proper role and position of law enforcement officers in medical and emergency situations.
- Identifying medical emergency and first-aid procedures.
- Identifying sources of information and contacts during interviewing and investigation.
- Investigating crime scenes and traffic accidents.
- Personal fitness.
- Recognizing differences between objective and subjective information when communicating with others.
- Describing symptoms of chemical and drug abuse.
- Examining local and mixed governmental services.
- Describing sources of stress/fear and management techniques relevant to law, public safety and security.
- Identifying factors that determine if a crime has occurred.
- Explaining procedures to collect and process DNA and micro-level evidence.
- Explaining the role of law enf. participants at a crime scene.
- Explaining the biological occurrences in crime science.
- Describing the control of traffic, crowds and demonstrations.
- Explaining arrest, search and defensive tactics.
- Explaining safety procedures for handling firearms.
- Discussing the use of less-lethal equipment and tactics.
- Demonstrating interviewing and interrogation skills.
- Explaining how personal choices affect career plans in law, public safety and security.
- Describing specialty units and their functions.
- Describing the role and job of Homeland Security.
- Describing the activities and function of federal law enforcement agencies.
- Examining special weapons and tactics (SWAT) activities.
- Explaining the bomb squad roles and tactics.
- Examining the correctional system at local, state and federal levels.
- Describing computer forensic processes and uses.
- Assessing function and necessary skills of dispatcher/911 operator.
- Examining the roles and relationships of various law enforcement units during interagency deployments.
- Explaining roles/functions of personnel within court system.
- Describing roles of corrections within criminal justice system.
- Identifying operating and support systems of a correctional facility.
- Understanding state and federal correctional systems.
- Analyzing the behavior patterns of personnel and inmates.
- Understanding the private security industry.
- Practicing effective communication skills.
- Interpreting verbal and nonverbal characteristics in communication with witnesses.
- Identifying barriers to effective communication with witnesses.
- Communicating with coworkers, the public and clients.
- Applying active listening skills using reflection, restatement and clarification techniques.

Culinary Arts CU10 • CU15 • CU16

Explore your passion for cooking while developing skills in all facets of the food service and hospitality industries. Training is provided in culinary arts (a la carte & quantity cooking), commercial baking and dining room operations. Students gain hands-on experience working special functions, breakfasts, luncheons and dinners in the culinary banquet hall. Students also have the opportunity to participate in culinary competitions and work with many of the top chefs and restaurants in the Valley. EVIT's Culinary Arts program is accredited by the Accrediting Commission of the American Culinary Federation Education Foundation.

Course Code	CU10, CU15, CU16
Length of Course	2-4 Semesters
Campus Locations	EVIT Main Campus EVIT Apache Junction Campus
College credit	This program offers college credit opportunities.
Certification	ServSafe Manager ACF Certification
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Banquet Cook, Prep Cook, Server, Chef, Restaurant Management
Suggested courses to be taken at home school prior to or during program	Tech Math or Business Math, Introduction to Hospitality, Cooking courses, English courses, Basic Science, Foreign Language, Computer Skills

Students are graded on:

- Developing an understanding of the hospitality industry and career opportunities in the field.
- Investigating trade publications and professional organizations appropriate for continuing education.
- Becoming familiar with the organizational structure and basic functions of departments within hospitality and food service establishments.
- Developing an understanding of the basic principles of sanitation and safety and applying them in the food service operations.
- Reinforcing personal hygiene habits and food handling practices that protect the health of the consumer.
- Performing mathematical functions related to food service operations.
- Developing skills in knife, tool and equipment handling and applying principles of food preparation to produce a variety of foods.
- Operating equipment safely and correctly.
- Developing skills in producing a variety of cold food products.
- Preparing items appropriate for buffet presentation, including decorative pieces.
- Applying the fundamentals of baking science to the preparation of a variety of products.
- The use and care for equipment normally found in the bakeshop or baking area.
- Understanding purchasing and receiving practices in quality food service operations.
- Receiving, inventorying and storing food and non-food items properly.
- Describing the characteristics, functions and food sources of major nutrients and how to maximize nutrient retention in food preparation and storage.
- Performing dining room service functions using a variety of types of service.
- Understanding of quality customer service.
- Developing an understanding of the basic principles of menu planning and layout.
- Developing skills in human relations.
- Developing skills in precision knife, tool and equipment handling and applying principles of baking preparation to produce a variety of baked goods.
- Operating equipment safely and correctly.
- Developing an understanding of the basic principles of bakery planning and layout.

Dental Assisting MC59 • MC60 • MC61

First year students study anatomy, physiology, medical terminology, nutrition, human growth and development, human diseases, infection control and human reproduction using a hands-on, project-based approach. Collaborative lab work and dissections are also an integral part of this course. **This course has state approved embedded credit for lab science for MC59 ONLY.** Second year students prepare for a dental career by learning about dental office operations such as instrument recognition and sterilization, radiography and laboratory processes, preparing patients for examinations and assisting with operational procedures. First semester, students concentrate on classroom learning, hands-on skills practice and x-ray certification. During the second semester, skills and experience are gained through internships at local dental offices. Students are required to complete an 80-hour externship. Flexible hours may be required depending upon clinical availability. Students must provide their own transportation to job shadowing or internship sites.

Course Code	First year: MC59 Second year: MC60, MC61
Length of Course	2 or 4 Semesters ***** Students will be randomly drug tested.***
Campus Locations	EVIT Main Campus
Certification	Dental Assisting X-Ray Certification *Certification available through the Dental Assisting National Board Inc. Students will complete the Radiation Health and Safety (RHS) Exam prior to clinical externship. For more information on the RHS Exam, visit www.danb.org.*
Prerequisites – First Year (MC59)	6 high school credits completed 2.0 GPA
Prerequisites – Second Year (MC60 & MC61)	Seniors ONLY Successful completion of MC59 or taken at least 1 credit of Biology or Anatomy & Physiology: 'C' or better No criminal record On track to graduate or a plan for graduation 2.0 GPA or equivalent standardized test scores
Career Pathway	Dental Assistant, Dental Receptionist, Dental Lab Technician, Dental Hygienist, Dentist in any of the nine dental specialties
Suggested courses to be taken at home school prior to or during program	Science, Math and English Courses, Applied Biological Systems, Speech/Communications

Students are graded on:

- Demonstrating professional behavior, dress and communication in all interactions in the classroom.
- Memorizing definitions of and correctly pronouncing 350 medical terms.
- Demonstrating safety compliance in the laboratory.
- Demonstrating proper use of a microscope.
- Correctly identifying the anatomical structures of the cell.
- Describing the functions of the organelles within the cell.
- Describing Transcription and Translation.
- Describing Mitosis and Meiosis.
- Correctly identifying anatomical structures found in the 11 body systems.
- Describing the functions of the 11 body systems and the major organs found in each.
- Describing the effects of disease on the 11 body systems.
- Describing common disorders of the 11 body systems.
- Describing basic principles of human nutrition and the process of cellular metabolism.
- Describing both phases of cellular respiration.
- Performing dissections of the heart, kidney, brain and eye.
- Performing laboratory activities associated with the 11 body systems.
- Creating illustrations/models of the 11 body systems and their functions.
- Analyzing the influence of technology on health.
- Applying methods of surface cleaning and sterilization.
- Identification of oral structures and landmarks as well as dental anatomy, tooth morphology and tooth surfaces.
- Developing an employment plan, demonstrating job search skills and demonstrating employability skills.
- Accurately obtaining and charting medical and dental histories, including calculating and documenting patient vital signs.
- Administering cardiopulmonary resuscitation.
- Managing infectious and hazard control protocol consistent with current guidelines.
- Memorizing components to accurately prepare tray set-ups.
- Preparing and dismissing patients.
- Applying current concepts of chair-side assisting.
- Taking preliminary impressions, study casts and occlusal registrations.
- Performing functions as permitted by the Arizona statue/law pertaining to chair-side in general and specialty settings, as well as memorizing and providing accurate oral health instructions.
- Preparing and applying a topical anesthetic agent and assisting with the administration of anesthetic.
- Performing instrument processing and sterilization.
- Knowledge of didactic concepts of radiography.
- Accurately documenting patient treatment plans to maintain patient records, both written and computerized.
- Professionally managing telephones, message taking and familiarity with scheduling processes.
- Having a mature, professional attitude.
- Attendance and punctuality.

Diesel Technologies AM63 • AM68 • AM69 • AM70

The diesel and heavy equipment industry is one of the fastest growing fields in the transportation business today. Diesel mechanics work on a wide variety of diesel engines including those found in buses, trucks, RVs, bulldozers, cranes, farm tractors and trains. Students develop the skills needed for various positions in the industry through classroom and hands-on learning. Instruction is provided on cooling systems, starting and charging systems, engine lubrication, maintenance & repair & basic mechanical performance.

Course Code	AM63, AM68, AM69, AM70
Length of Course	2-4 Semesters
Campus Locations	EVIT Main Campus
Certification	ASE Student Certifications (10)
Prerequisites	6 high school credits completed 2.0 GPA Recommended: Prior knowledge/experience with basic automotive repair
Career Pathway	Diesel Technician, Heavy Assembler, Field Operator
Suggested courses to be taken at home school prior to or during program	Tech Math, Pre-Algebra, Introduction to Industrial Technology, Introduction to Computers, Keyboarding, Automotive I or II

Students are graded on:

- Checking continuity in electrical/electronic circuits using appropriate test equipment.
- Performing battery load tests, inspecting, cleaning and servicing batteries.
- Jump-starting vehicles using jumper cables and a booster battery or appropriate auxiliary power supply using proper safety procedures.
- Removing and replacing starter.
- Inspecting flywheel ring gear and flex plate.
- Inspecting and replacing alternator drive belts, pulleys, fans, tensioners and mounting brackets.
- Adjusting drive belts and checking alignment.
- Inspecting and testing motors, switches, relays, connectors, terminals, wires and control components/ modules of power side window circuits.
- Checking engine starting operation, including engine oil level and condition.
- Checking engine for oil, coolant, air, fuel and exhaust leaks (engine off and running).
- Changing engine oil and filters; visually checking oil for coolant or fuel contamination; inspecting and cleaning magnetic drain plugs and taking an engine oil sample.
- Draining water from the fuel system.
- Checking air induction system, piping, charge air cooler, hoses, clamps and mountings.
- Servicing and replacing air filter as needed; checking and resetting air filter restriction indicator.
- Checking operation of fan clutch, pressure testing cooling system and radiator cap and inspecting water pump for leaks and bearing play.
- Checking instruments; recording oil pressure and system voltage.
- Inspecting seat belts and sleeper restraints.
- Inspecting A/C condenser and lines for leaks.
- Inspecting batteries.
- Inspecting starter; checking for unusual noise, starter drag and starting difficulty.
- Performing alternator output tests.
- Inspecting and testing tractor-to-trailer multi-wire connectors.
- Checking air governor cut-in/out pressure, operation of parking brake and air system for leaks.
- Inspecting and recording brake shoe/pad condition, thickness and contamination.
- Checking operation and adjustment of brake automatic slack adjuster and lubricating all brake components.
- Checking condition and operation of hand brake control valve and checking for contamination.
- Checking master cylinder fluid level, brake lines, fittings, flexible hoses and valves for leaks.
- Checking all parts of breaking system.
- Inspecting clutch and drivetrain.
- Inspecting axles, breathers, drive line, u-joints and axles for loose or worn parts.
- Inspecting steering systems.
- Checking all steering components.
- Checking shocks, springs, kingpins, shackles, hangers and spring bolts for worn or broken parts.
- Checking alignment and spacing, setting the toe and tire wear.
- Removing and repairing a flat tire to manufacturer's specifications and mounting on truck.
- Inspecting fifth wheel locking device, mounting bolts, air lines and locks.
- Checking frame, pintle hook, quarter fenders, mud flaps and brackets for cracks and damage.

Digital Device Diagnostic and Repair IT11 • IT30 • IT35

Learn the skills necessary to obtain CompTIA A+ Certification, an international industry credential for computer service technicians. Hands-on classroom training includes installation, configuration and upgrading of hardware and software. Students learn to maintain motherboards, processors and memory. They develop troubleshooting and basic networking skills. Students also learn how to repair devices such as iPads, iPhones, gaming consoles and more. Students participate in SkillsUSA and Arizona Students Recycling Used Technology (AZStRUT), which teaches valuable skills and provides quality refurbished computers to schools and non-profit organizations across Arizona.

Course Code	IT11, IT30, IT35
Length of Course	2-4 Semesters
Campus Locations	EVIT Main Campus
College credit	This program offers college credit opportunities.
Certification	CompTIA A+ Plus Certification
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	IT Technician, Computer Repair Technician, Help Desk, Network Technician
Suggested courses to be taken at home school prior to or during program	Introduction to Technology, all Math courses, all English courses, Science courses

Students are graded on:

- Applying problem-solving and critical thinking skills to information technology.
- Maintaining a safe, green information technology work environment.
- Recognizing security issues related to information technology.
- Understanding legal and ethical issues related to information technology.
- Demonstrating the use of binary and other numeric systems in computer applications.
- Describing the development/evolution of computers.
- Installing, configuring and upgrading computers.
- Diagnosing and troubleshooting digital devices.
- Implementing preventative maintenance, safety and environmental procedures.
- Maintaining motherboards, processors and memory.
- Calculating, measuring, troubleshooting and testing voltage, current, resistance and power across both
- Describing how technology is used in the departments of a business and in various career paths.
- Using word processing, spreadsheet, database and presentation software.
- Building simple Local Area Networks (LANs).
- Identifying positive social and ethical behaviors when using technology and the consequences of misuse.
- Installing and maintaining printers.
- Demonstrating the use of basic networking hardware.
- Understanding the basics of common operating systems.
- Installing, configuring and upgrading operating systems.
- Diagnosing and troubleshooting common operating system issues.
- Configuring networks.
- Identifying common hardware components of computer systems and describing their uses.
- Identifying different types of software and their uses.
- Describing common uses of networks.
- Describing Website Technology.
- Using the Internet to communicate, collaborate and retrieve information.
- Exploring system security and privacy issues.
- Typing at least 25 words per minute.
- Creating macros and understanding the basics of Visual Basic for Applications.
- Describing the steps in planning and implementing technology solutions.
- Determining when technology is useful and selecting the appropriate tools and technology resources to address a variety of tasks and problems.
- Identifying terminology and uses of technology in business and society, including limitations.

Digital Photography DP10 • DP20

This program prepares students interested in pursuing a career in a digital photography related field. Students will be challenged to utilize the latest digital photographic cameras and manipulate light, shadow and surrounding objects to capture images. Students use Adobe Photoshop, Lightroom and Illustrator to manipulate the images in unique and creative formats. Students work both individually and in teams to create layouts, portfolios, etc.

Course Code	DP10, DP20
Length of Course	2 Semesters
Campus Locations	EVIT Main Campus
College credit	This program offers college credit opportunities.
Certification	State Certificate and Portfolio
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Photographer, videographer, graphic designer, web page designer
Suggested courses to be taken at home school prior to or during program	Introduction to Technology, English, Communication, History, Fine Arts, Photography, Digital Arts

Students are graded on:

- Selecting format for digital delivery.
- Selecting appropriate resolutions for data capture.
- Capturing/transferring still image, audio and video.
- Archiving and managing data for media applications.
- Using industry terms/vocabulary in appropriate context.
- Analyzing the different qualities of hard, soft, reflective, natural and artificial light
- Differentiating type, use and care of digital cameras.
- Differentiate between wide and telephoto lenses and the aesthetic and technical reasons to use both.
- Understanding and using aperture and shutter speeds.
- Defining parameters of a photo shoot according to layout, including equipment and resource needs.
- Understanding location scouting and pre-observation
- Evaluating the need for model release forms.
- Analyzing file size/type, such as tif, jpeg, psd and raw files.
- Planning and composing individual portraits under natural and artificial lighting conditions.
- Planning and composing small group portraits under natural and artificial lighting conditions.
- Planning and composing a still life using one light and reflector(s).
- Utilizing key, fill, back and hair light.
- Demonstrating lighting set-ups using: Rembrandt, split, paramount, loop, rim, butterfly, broad, short and 3-point lighting.
- Using and understanding functions of a digital SLR camera.
- Evaluating lighting type, direction and camera locations
- Using studio lighting equipment, flash and other accessories.
- Creating and presenting a professional portfolio for review.
- Creating an image suitable for publication.
- Dry mounting, matting and framing print for presentation.
- Explaining fair use.
- Selecting and using focusing techniques.
- Setting up and testing lighting equipment for a photo shoot.
- Composing subject using posing techniques.
- Importing digital camera photos into a digital imaging application.
- Creating digital images according to specifications using a digital imaging application.
- Creating digital images to specification for content, mood and/or meaning.
- Scanning images, documents or designs.
- Differentiating working files (raw, psd) from deliverable files (tif).
- Creating a web proof page for clients in Photoshop.
- Explaining plagiarism and its effects in business.
- Defining the establishment of a copyright.
- Using editing skills when reviewing communications.
- Using proofing and editing skills when checking or reviewing communications.
- Applying essential commands and knowledge of computer operating systems.
- Applying computer file management techniques.
- Selecting appropriate commands, menus and palettes for a digital imaging application.
- Enhancing digital images using painting and editing tools.
- Editing digital images using filtering, multiple layers and masking techniques.
- Differentiating RGB, CMYK, LAB color, grayscale and web colors.
- Demonstrating nondestructive imaging and image editing.
- Selecting and converting file formats as specified for end-user requirements.
- Distinguishing advantages and disadvantages of file formats.
- Demonstrating image storage techniques (e.g., burn images to a CD, save to hard drives, flash drives, cloud storage, etc.).
- Creating and printing images to size and specifications: 4x6, 5x7, 8x10, etc.

Early Childhood Education CC10 • CC20 • CC25

First year ECE I students focus on early childhood philosophy, childhood development, career opportunities and current issues in safety, health, nutrition and curriculum development. They gain hands-on experience in lab settings including our on-site lab school operated by Bright Ideas and off-site at a variety of Head Start programs. Second year ECE II students participate in a lab setting and focus on child guidance techniques, family dynamics, observation/assessment, advanced curriculum development and classroom management. This performance-based program allows for advancement that meets individual academic needs. They also participate in an internship of their choice.

Course Code	CC10, CC20, CC25
Length of Course	2-4 Semesters
Campus Locations	EVIT Main Campus
College credit	College credit opportunities available
Certification	Certificate of Completion in Foundations of Early Childhood Education from Mesa Community College (Students opt in to follow pathway.) ParaProfessional Praxis Certification (Seniors Only) SafeTalk Suicide Certification Food Handlers Certificate CPR and First Aid Certificate
Prerequisites	6 high school credits completed 2.0 GPA Negative Tuberculosis test (all students tested in August) No criminal record (Arizona State Law requires students 18 and older to obtain a Fingerprint Clearance card)
Career Pathway	Preschool or Child Care Assistant Teacher, Recreation/Activities/Party Coordinator, Nanny, Family Care Provider, Elementary Education Aide, Certified Elementary Education Teacher (Early Childhood Endorsement)
Suggested courses to be taken at home school prior to or during program	English, Literature, Psychology, Science (Life, Biology)

Students are graded on:

- Providing cardiopulmonary resuscitation and first aid procedures, including the recognition of choking hazards and performance of choking rescue.
- Recognizing an emergency, performing emergency rescue procedures, emergency procedures for fire evacuation, lock-down and lifting children for evacuation.
- Effectively communicating for the development of language and literacy in children, including speaking in English, modeling writing in legible English print and reading children's literature in English.
- Applying knowledge of principles of child development in order to create developmentally appropriate classroom arrangement, schedules, group activities, learning centers and lesson plans in accordance with the Arizona Office of Child Care Licensure Regulations and Developmentally Appropriate Standards created by the National Association for the Education of Young Children in the Early Learning Standard areas of Social and Emotional Development, Language and Literacy, Mathematics, Science, Social Studies, Physical Development, Health, Safety and Fine Arts.
- Assisting lab school teachers, demonstrating ethical standards of behavior as defined by the Ethical Code of Conduct established by the National Association for the Education of Young Children.
- Performing a daily health check and recognition and reporting of child abuse and/or neglect.
- Completion of textbook reading, activities and projects.
- Demonstrating safe handling of all food products included in a lab school environment.
- Assisting lab school teachers in the classroom with a temperament that demonstrates patience and understanding, rather than punitive practices that would be considered inappropriate as defined by the National Association for the Education of Young Children and/or abusive practices according to the Arizona Revised Statutes for the legal treatment of children.
- Assisting lab school teachers in compliance with rules and procedures required by each lab school partner, including but not limited to teamwork procedures, positive interpersonal behaviors with children, families, colleagues, and supervisors, use of cell phones, discussion of personal lives/issues, appropriate interactions with children and other students and staff.
- Assisting lab school teachers in the classroom with children in all areas, including but not limited to picking things up from the floor and reaching upward to put away, getting down on the floor and getting back up again and proper hand washing and tooth brushing procedures.
- Assisting lab school teachers in the healthy emotional and social development of young children in accordance with the rules and procedures required by each lab school partner, including but not limited to dispute resolution, limit setting, logical consequences and problem solving.
- Maintaining a safe and healthy environment, including but not limited to cleaning/sanitizing tables, sweeping floors, vacuuming, dusting cabinets, sorting/sanitizing toys and equipment and cleaning windows.

Electrical and Power Transmission Insulation TR10 • TR20

If you enjoy working with your hands, figuring out how things work and trouble-shooting, a specialized construction career in Electrical and Power Transmission Installation could be perfect for you. Students in this program learn how to install indoor and outdoor residential, commercial and industrial electrical systems and associated power transmission lines. This includes instruction in electrical systems, safety procedures, wiring, insulation and grounding, schematic blueprint interpretation, equipment operation and maintenance, and applicable codes and standards. Industry-driven curriculum helps prepare students for employment, apprenticeship or post-secondary education.

***** Students will be randomly drug tested***

Course Code	TR10, TR20
Length of Course	2 Semesters
Campus Locations	EVIT Main Campus
College credit	College credit by exam available
Certification	Occupational Safety & Health Administration (OSHA) 10/30 Independent Electrical Contractors (IEC) – Level 1 Apprentice Electrician Pre-Apprenticeship; National Center for Construction Education and Research (NCCER) Core; NCCER Electrical Level 1 NCCER Electrical Level 2; NCCER Power line Worker Level 1
Prerequisites – First Semester	6 high school credits completed 2.0 GPA
Career Pathway	Electrician, Power Line Worker
Suggested courses to be taken at home school prior to or during program	Algebra II, Chemistry, Physics, Biology

Students are graded on:

- Understand the various types of personal protective equipment (PPE) used to reduce injuries
- Understand electrical safety and the OSHA-mandated lockout/tagout rule
- Introduction to electrical concepts used in Ohm's law and how the power equation can be used to determine unknown values
- Cover basic atomic theory and electrical theory, electrical schematic diagrams, and electric power equations
- Introduction to basic circuits, as well as the methods for calculating the electrical energy within them
- Covers resistive circuits, Kirchhoff's voltage and current laws, and circuit analysis
- Introduction to the NEC and explains how to use it to find the installation requirements
- Overview of the National Electrical Manufacturers Association and Nationally Recognized Testing Laboratories
- Methods for hand bending conduit, including 90-degree bends, back-to-back bends, offsets, and saddle bends
- Cut, ream, and thread conduit.
- Introduction to various types of raceway systems, along with their installation and NEC requirements
- Describes the use of various conduit bodies
- Explain and discuss conductor types, cable markings, color codes, and ampacity derating
- Install conductors using fish tape and power conduit fishing systems.
- Interpret electrical drawings, including the use of architect's and engineer's scales.
- Calculate basic load for residential electrical systems.
- describes how to lay out branch circuits
- install wiring, size outlet boxes, and install wiring devices.
- Describes meter safety precautions and category ratings
- Covers AC and DC motors, including the main components, circuits, and connections
- Introduction to the principles of human vision and the characteristics of light
- Cover different types of light sources and the operating characteristics and installation requirements of various lighting fixtures
- Describes how to make conduit bends using mechanical, hydraulic, and electric benders
- Explain how to size and install pull and junction boxes.
- Identify various specialty enclosures, including conduit bodies, FS and FD boxes, and handholes
- Explain how to set up and complete a cable-pulling operation
- Discuss various types of cable tray, supports, and associated fittings
- Explain how to determine the loads on a cable tray and calculate fill per NEC requirements
- Explain how to prepare cable ends for terminations and splices
- Describe how to train cable at termination points and describes crimping techniques.

Emergency Medical Technician MC37 • MC55 • MC56

First year students study anatomy, physiology, medical terminology, nutrition, human growth and development, human diseases, infection control and human reproduction using a hands-on, project-based approach. Collaborative lab work and dissections are also an integral part of this course. **This course has state approved embedded credit for lab science for MC37 ONLY.** Second year students will begin the DHS EMT course. Students will learn to recognize the signs and symptoms of illness and injury, assess and treat patients, administer oxygen and provide basic medical care. Training consists of coursework and hands-on experience designed to prepare students to administer immediate care, stabilization and immobilization of victims in emergency situations. During the second semester, students will have an opportunity to complete 10 to 20 hours of clinical externship hours in an emergency room. Weekend and/or extended hours will be required for clinical. Students must provide their own transportation to the clinical site.

Course Code	First Year: MC37 Second Year: MC55, MC56
Length of Course	2 or 4 Semesters ***** Students will be randomly drug tested***
Campus Locations	EVIT Main Campus
College credit	College credit by exam available
Certification	EMT Certification Certification available through the National Registry of Emergency Medical Technicians (NREMT). Students under the age of 18 may complete the NREMT exam but will not be able to apply for EMT certification in the State of Arizona until they turn 18 years of age. For more information on the NREMT, visit nremt.org ***** Students must be 18 years of age by November 1 following course completion and a U.S. citizen or legal resident and provide proof of status to take certification exam.***
Prerequisites – First Year (MC37)	6 high school credits completed 2.0 GPA
Prerequisites – Second Year (MC55 & MC56)	Seniors ONLY Successful completion of MC37 **OR** taken at least 1 credit of Biology, Anatomy & Physiology or Sports Medicine: 'C' or better; 1 Algebra credit and 1 English credit: 'C' or better ***9th Grade Reading Level (students will be tested)*** No criminal record On track to graduate or a plan for graduation 2.5 GPA or equivalent standardized test scores
Career Pathway	Emergency Medical Technician, Emergency Room Tech, Firefighter, Paramedic
Suggested courses to be taken at home school prior to or during program	Algebra II, Chemistry, Physics, Biology

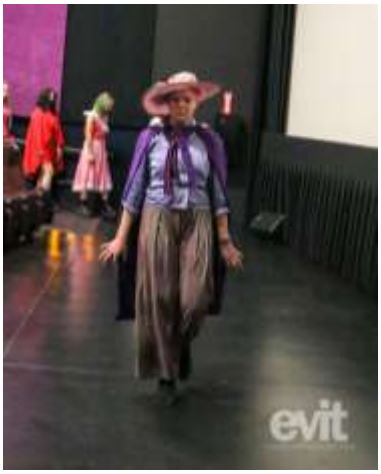
Continued on page 30

Continued from page 29

Students are graded on:

- Demonstrating professional behavior, dress and communication in all interactions in the classroom.
- Memorizing definitions of and correctly pronouncing 350 medical terms.
- Demonstrating safety compliance in the laboratory.
- Demonstrating proper use of a microscope.
- Correctly identifying the anatomical structures of the cell.
- Describing the functions of the organelles within the cell.
- Describing Transcription and Translation.
- Describing Mitosis and Meiosis.
- Correctly identifying anatomical structures found in the 11 body systems.
- Describing the functions of the 11 body systems and the major organs found in each.
- Describing the effects of disease on the 11 body systems.
- Describing common disorders of the 11 body systems.
- Describing basic principles of human nutrition and the process of cellular metabolism.
- Describing both phases of cellular respiration.
- Performing dissections of the heart, kidney, brain and eye.
- Performing laboratory activities associated with the 11 body systems.
- Creating illustrations/models of the 11 body systems and their functions.
- Examining health and wellness issues.
- Analyzing the influence of technology on health.
- Developing an employment plan, demonstrating job search skills and demonstrating employability skills.
- Knowledge of the emergency medical services system.
- Understanding of medical, legal and ethical issues related to emergency medical services.
- Handling of different ethical issues encountered by emergency medical services (e.g., denying or delaying transport of patients, termination of resuscitation, restriction of EMS provider duty hours to prevent fatigue, substance abuse by EMS providers and challenges of child maltreatment recognition and reporting).
- Understanding the EMT's responsibility regarding crime incidents.
- Verbalization of legal issues associated with required documentation.
- Knowledge of general pharmacology.
- Identification of drugs in the EMT Basic Scope of Practice and description of each according to generic and common trade names, indications, contraindications, side effects, forms and routes of administration, including the five rights.
- Knowledge of anatomy and the function of human body systems, including correct terminology.
- Management of the emergency scene and safety precautions.
- Assessment and management of pediatric emergencies.
- Knowledge of emergency medical services operations
- Identification of components of scene size-up (e.g., potential dangers, body substance isolation, nature of illness or mechanism of injury, number of patients, need for additional resources).
- Assessment of baseline vital signs, sample history, primary assessment, secondary assessment and reassessment.
- Assessment and management of medical emergencies.
- Recognition of conditions, signs and symptoms of respiratory, cardiac, diabetic, altered mental status, allergic reaction, anaphylactic reaction, poisonings, environment and behavior emergencies and provision of appropriate care.
- Assessment and management of traumatic injuries.
- Differentiation of arterial, venous and capillary bleeding and care for external bleeding.
- Identification of the signs and symptoms of internal bleeding and the steps in the care for internal bleeding.
- Description, assessment and treatment of musculoskeletal and soft tissue injuries.
- Recognition of signs and symptoms of injury to the head, neck and spine and management of these injuries.
- Assessment and management of obstetric and gynecologic emergencies.
- Provision of after-delivery care for mother and baby.

Fashion Design & Merchandising I & II FIT11 • FIT13 • FIT25



Fashion 1 and 2: This dynamic program introduces students to the technical knowledge and skills needed to design, produce, purchase, promote and sell merchandise and accessories in the fashion industry. Learn about the elements and principles of design, clothing fabrics and textiles, the use of color and texture, retail business merchandising, fashion illustration, visual merchandising, sewing and pattern making. Transform these skills into wearable garments, participate in various EVIT events such as the annual Spring Fashion Show. Qualified students also have the opportunity to participate in FCCLA to compete in various events during the FCCLA Spring Conference.

Course Code	FIT11, FIT13, FIT25
Length of Course	2-4 Semesters
Campus Locations	EVIT Main Campus
Certifications	National Retail Federation (NRF) First Year • NRF RISE UP Certification in Retail Industry Fundamentals • NRF RISE UP Certification in Customer Service & Sales Second Year • NRF RISE UP Certification in Business of Retail • Personal Portfolio
College credit	This program offers college credit opportunities (pg. 56-58)
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Visual Merchandiser, Fashion Designer, Sales and Distribution, Fabric/Textile Designer, Fashion Journalist, Retail Management.
Suggested courses to be taken at home school prior to or during program	Drawing, Introduction to Art, all Math courses, Basic Sewing, Fashion Design and Computer programs such as Word, Excel and Adobe Illustrator.

Students are graded on:

- Applying mathematical processes to problems in design and merchandising.
- Demonstrating drawing and visualization skills required for design and merchandising.
- Analyzing the principles and elements of design.
- Evaluating textiles, fibers and fabrics.
- Preparing fashion designs
- Explaining the importance of accessories to fashion
- Exploring ethical issues in fashion design and merchandising
- Exhibiting marketing skills for the success of design and merchandising business.
- Understanding the operations of retailing.
- Examining & applying measurement techniques as they relate to design, manufacturing, and merchandising
- Distinguish influences on the fashion design industry
- Analyzing fashion design and merchandising business
- Analyzing factors that determine the selection of clothing
- Constructing a garment by precisely applying the principles of quality apparel construction

Fire and Emergency Services FF10 • FF20 • FF25

Prepare for employment in fire and emergency services, learning how to protect, educate and serve the public. Gain experience through various hands-on training skills, including live fire training, search and rescue, high rise tower drills and operation of fire apparatus and equipment. The first year provides an overview of basic fire science fundamentals and technical rescue. The second-year students continue fire service training into more advanced areas including wildland firefighter, emergency medical technician, vehicle extrication, employability, driver operator of emergency vehicles, aircraft rescue firefighting, preparing for firefighter candidate physical fitness test which include strenuous physical activity, including running and completion of strenuous hands-on physical activities related to fire fighting. Also included in second year is hazardous materials response and live fire training. This course requires a physician's school physical.

Course Code	FF10, FF20, FF25
Length of Course	2-4 Semesters ***** Students will be randomly drug tested.*** ***** This program requires a physician's school physical***
Campus Locations	EVIT Main Campus
College credit	This program offers college credit opportunities.
Certification	CPR Wildland Fire Fighter Certification National Emergency Medical Technician (NREMT) NIMS 100, 200, 700
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Firefighter, EMT, Fire Inspector, Wildland Fire Fighter, Paramedic
Suggested courses to be taken at home school prior to or during program	Algebra II, Chemistry, Physics

Students are graded on:

- Using technology to apply career exploration.
- Using math and language skills in an occupational context.
- Completing tasks on time and accurately.
- Explaining employer expectations on ethical workplace.
- Organizing, writing and compiling technical information.
- Demonstrating knowledge and understanding of basic input/output devices.
- Using industry-accepted software.
- Expressing problems in fire science using numeric, symbolic and/or graphic representations.
- Performing mathematical calculations related to fire science using algebra and geometry.
- Recognizing and use metric and English units.
- Demonstrating teamwork and effective teams.
- Analyzing the role and organization of the fire service.
- Performing functional firefighting training exercises.
- Explaining fire behavior for fire spread.
- Demonstrating donning/doffing of PPE/one minute.
- Practicing donning the SCBA in 30 seconds or less.
- Listing the types of portable fire extinguishers.
- Analyzing Fire sprinkler systems.
- Explaining the principles of water supply systems.
- Identifying various fire hose sizes and applications.
- Demonstrating a straight roll, donut roll, twin donut roll, self-locking twin donut roll.
- Bedding and extending hose loaded in an accordion, horseshoe, triple load and flat hose load.
- Describing suppressing Class A, Class B, Class C and Class D fires.
- Defining and knowing construction terminology.
- Completion of NIMS IC-100, 200, and 700.A.
- Demonstrating search and rescue techniques.
- Describing fire department communications.
- Driving and pumping fire apparatus.
- Describing the reasons for fire ground ventilation.
- Demonstrating one and two firefighter ladder carries, ground ladder positioning, procedures for raising, moving and climbing ladders.
- Using forcible entry tools, salvage covers.
- Completion of a Hazardous Materials First Responder course meeting the requirements of NFPA 472.
- Describing scene safety at emergency medical incidents using proper use of Body Substance Isolation (BSI) and use of PPE.
- Completion of a basic CPR course through AHA or equivalent and a basic First Aid course.
- Completion of Wildland S130/190 course or equivalent.
- Demonstrating belaying, rappelling, rope care, cleaning, maintenance, tying knots, hoisting tools and equipment used in technical rescue, trench rescue, confined space rescue and water rescue.
- Performing timed evolutions related to the fire service.
- Running a half mile in less than 4 minutes, a mile in less than 7 minutes, and 1.5 miles in less than 11 minutes.
- Physical activities, including climbing 8 flights of stairs while carrying 70 pounds, climbing a ladder, crawling in a confined space, standing and raising a ladder, swinging an 8 pound sledge hammer 25 times, dragging a 100 pound I-Beam 100 feet, carrying a ground monitor 100 feet, dragging a large tire with a rope 100 feet, carrying an extension ladder 100 feet, dragging 100 feet of 5 inch hose 50 feet, then kneeling and hand-over-hand pulling it another 50 feet, extending a 2 ½ inch hose 100 feet (200 pounds) and spraying water, dragging a 165 pound mannequin 100 feet.

Future Engineers IT60 • IT61 • IT62 • IT63

This program will prepare students to pursue an education in engineering and related fields. Students will be challenged to develop solutions to engineering problems. The student will learn the skills to communicate, work in teams, solve mathematical, scientific and logistical problems. This will be accomplished through the use of lecture, laboratory work, guest speakers and industry field trips.

This course is a project-based course where students learn use of tools and engineering skills. Those students moving on to the second year class will work on a capstone project.

Course Code	IT60, IT61, IT62, IT63
Length of Course	2-4 Semesters
Campus Locations	EVIT Power Campus
College credit	This program offers college credit opportunities. Students enrolling in dual enrollment may be required to have taken or be enrolled in Pre-Calculus
Certification	REC Pre-Engineers Certification
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Environmental Engineering, Biomechanical Engineering, Electrical and Electronics Engineering, Industrial Engineering, Manufacturing Engineering and Technology, Mechanical Engineering, Specialties and Emerging Technologies
Suggested courses to be taken at home school prior to or during program	Introduction to Technology, Algebra, Advanced Algebra, Trigonometry, Chemistry, Physics

Students are graded on:

- Developing an understanding of engineering, problem solving and design practices.
- Applying concepts of engineering, problem solving and design practices.
- Applying fundamental scientific laws and principles relevant to engineering and technology.
- Applying mathematical laws and principles relevant to engineering and technology.
- Using systems of measurement.
- Applying engineering technology and tools.
- Identifying different disciplines within the field of engineering.
- Understanding the ways in which engineering, as a human endeavor, addresses the needs of a global society.

Graphic/Web Design MM30 • MM35 • MM40

This program will prepare students interested in pursuing a career in graphic/web design and other multimedia related fields. Students will be challenged to learn the principles of graphic design, line, shape, pattern, form and color theory. Typography along with digital pre-press and copyright laws will be taught to ensure student success. Students will use Adobe Illustrator, Photoshop and InDesign to manipulate images and create dynamic graphics in unique and creative formats. Students will have opportunities to work on client-based projects to ensure real-world experience. Students will work individually and in teams to create and build digital portfolios and resumes. Students may choose to learn the ins & outs of digital printing in EVIT's Digital Print Shop.

Course Code	MM30, MM35, MM40
Length of Course	2-4 Semesters
Campus Locations	EVIT Main Campus
College credit	This program offers college credit opportunities.
Certification	State Certificate and Portfolio
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Photographer, videographer, graphic designer, web designer, social media designer, commercial printer or digital pre-press artist
Suggested courses to be taken at home school prior to or during program	Digital Photography I & II, Digital Illustration Studio, Computer Technology, Art & Design, Photoshop I & II

Students are graded on:

- Analyzing the media industry, its business practices and its role in the economy.
- Examining impact of social media on media industry.
- Investigating intellectual property law and right management.
- Defining the establishment of a copyright.
- Discussing the rights and implications of copyright law.
- Demonstrating verbal and nonverbal communication skills required by the media industry.
- Using workplace-appropriate industry terminology.
- Practicing active listening skills.
- Conducting formal and informal research.
- Selecting appropriate medium for communications.
- Using editing skills when reviewing communications.
- Using proofing skills and checking spelling when reviewing communications.
- Utilizing computer applications to manage media.
- Using electronic publishing software and devices.
- Selecting format for digital delivery.
- Describing the functionality of the internet, intranet and extranet in the media environment.
- Explaining methods of protecting a computer against computer threats.
- Applying knowledge of data capture/manipulation.
- Identifying software that supports data capture for media devices (i.e. digital camera, video input device, graphics tablet, graphics expansion boards).
- Engaging in pre-production/planning phase of product creation in graphic/web design.
- Determining the difference between art and design.
- Presenting product(s) to selected audience(s) using media in graphic/web design.
- Identifying the basic principles of Graphic Design (balance, emphasis, movement, unity, contrast and simplicity).
- Identifying the basic elements of Graphic Design (line, shape, pattern, space, size, form and color)
- Identifying basic typography categories (serif, sans serif, script, display), their basic structure and appropriate use.
- Using additive/subtractive color, hue, tint, value and shade.
- Describing the importance of color selection in connection with target audience, including the color wheel, color schemes and the psychology of color.
- Differentiating between the color gamuts and explaining how they relate to the web and printing industries.
- Demonstrating an understanding of the differences between vector and raster images.
- Using the creative process with research and brainstorming.
- Presenting workflow outlines for projects start to finish.
- Working in a team to plan a larger project.
- Identifying the target audience for a project.
- Differentiating the type, use and care of digital cameras and accessories, including basic lighting equipment.
- Understanding file size and ppi formats (i.e., BMP, TIFF, JPEG, RAW) and the selection of the appropriate camera format for a given situation and end usage requirements.
- Acquiring or creating products in accordance with production phase tasks in graphic/web design.
- Demonstrating type specifics, alignment and appropriate use of margins, columns, grids, bleeds and styles.
- Performing tasks in post-production phase of product refinement in graphic/web design.
- Delivering/distributing products using various media in accord with consumer expectations in graphic/web design.

Heating, Ventilation and Air Conditioning (HVAC) AC10 • AC20 • AC25

The U.S. Bureau of Labor expects the nationwide demand for trained HVAC specialists to continue to grow due to advances in technology and an aging workforce. Learn the skills required to install, service and repair air conditioning, refrigeration and heating equipment in commercial and residential settings. Students in this program gain knowledge in electrical maintenance, wiring, appliance repair, repair of electric controls and circuits. Internship and job shadowing opportunities are available.

Course Code	AC10, AC20, AC25
Length of Course	2-4 Semesters
Campus Locations	EVIT Main Campus
Dual Enrollment	This program offers college credit opportunities.
Certification	NCCER HVAC Level 1 & 2
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	HVAC Technician, Wholesale Factory Representative, Installer, Sales Representative
Suggested courses to be taken at home school prior to or during program	Tech Math, Pre-Algebra, Geometry, Introduction to Industrial Technology, Introduction to Computers, Keyboarding, General Science

Students are graded on:

- Understanding of the physics and science related to refrigeration theory.
- Understanding how a heat pump operates mechanically and electrically.
- OSHA Safety Standards.
- How to perform "Lock out and Tag" procedure.
- Proper use and application of Ohm meters, multi meter, ammeter, voltmeter and Watt meters.
- Understanding/application and use of circuit protectors.
- Understanding thermostats, heat anticipators, transformers and relays.
- Understanding and performing refrigerant recovery.
- Performing proper soldering and brazing techniques.
- Performing proper charging of HCFC and HFC refrigerants and the required amounts.
- Identifying the types of micron gauges.
- Understanding a service valve and its operation.
- Understanding application compressors.
- Understanding drain operation.
- Understanding Head Master.
- Understanding fixed orifice.
- Understanding oil separator.
- Understanding dry type and low temperature evaporators and functions.
- Understanding an air cooled condenser.
- Understanding types of water cooled condensers.
- Understanding cooling towers.
- Understanding compressor system.
- Understanding heat exchanger.
- Understanding various fan controls.
- Understanding of expendable refrigerant.
- Understanding high humidity evaporator coils.
- Describing the various methods of compressor capacity control.
- Proper Use of a digital Psychrometer
- Understanding Ohm's Law.
- Identifying and describing circuit protectors.
- Understanding a dual voltage three phase motor.
- Understanding an Electronically Commutated Motor (ECM).
- Understanding Pictorial, Ladder Diagram and Schematic.
- Understanding positive temperature coefficient thermistors.
- Describing a dual voltage three phase motor and wiring configurations.
- Demonstrating resistance of motor windings.
- Understanding Variable Frequency Drive (VFD).
- Calculating the required amount of refrigerant.
- Accurately calculating charge using the superheat method.
- Accurately calculating charge using the subcooling method.
- Explaining vacuum pump selection.
- Understanding the triple evacuation method.
- Identifying the types of micron gauges.
- Understanding dehumidification and humidification.
- Determining refrigerant line pressure.
- Understanding a cascade system.
- Understanding a service valve and its operation.
- Understanding defrost cycle initiation and termination.
- Understanding purpose and applicability of a defrost cycle.
- Understanding a drain and drain pan heater and their operation.
- Understanding a head master and its operation.
- Understanding a capillary/distributor tube sizing and selection procedure.
- Understanding a refrigerant receiver and its function.
- Understanding an oil separator.
- Understanding dry type evaporators.
- Understanding an air cooled condenser.
- Understanding low temperature evaporator.
- Understanding flooded evaporator and its metering device.
- Understanding types of water cooled condensers.
- Understanding cooling towers.
- Understanding multiple compressor systems.
- Understanding and testing various fan controls.
- Understanding high, medium and low temperature refrigeration.
- Understanding of fractionation and temperature glide.
- Understanding of refrigerants.
- Understanding of the use of high humidity evaporator coils.
- Understanding of the various methods of compressor capacity control.
- Understanding and installation of a vibration eliminator.
- Describing the basic operation of ice makers.
- Understanding building performance and the HVACR industry.

Hospitality Management HM10 • HM20 • HM25

Students will learn the principles of operations in the travel and tourism industries, hotel and lodging facilities, food services, recreation, and hospitality planning and business operations. Emphasis is placed on critical thinking, practical problem solving and entrepreneurship opportunities within the field of hospitality. Core academic application of math, science and language arts are emphasized as appropriate in the hospitality industry.

Course Code	HM10, HM20, HM25
Length of Course	2 Semesters
Campus Locations	EVIT Main Campus
College credit	This program offers college credit opportunitie.
Certification	American Hotel & Motel Lodging Association Certified Front Desk Representative Certified Guest Services Professionals (CGSP) Certified Restaurant Server ServSafe Food Service Manager
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Reservations and front desk operations, meeting and banquet room support services, food and beverage support services, housekeeping, laundry operations, supervisory and environmental functions
Suggested courses to be taken at home school prior to or during program	Tech Math or Business Math, Introduction to Hospitality, Cooking courses, English courses, Basic Science, Foreign Language, Computer Skills

Students are graded on:

- Identifying major components of the hospitality and tourism industry and explore the roles of each.
- Identifying and describe career opportunities in the hospitality and tourism industry and explore an individual career plan.
- Identifying and describe the components of the tourism industry and review its operations.
- Identifying and describe the components of the food service industry and review its operations
- Identifying and describe the components of the lodging industry and review its operations.
- Identifying and describe the characteristics of various hospitality and tourism market segments.
- Identifying and describe methods to attract and manage customers in different hospitality and tourism settings.
- Identifying and describe the major components of contemporary hospitality management.
- Demonstrating effective communication and presentation skills.
- Demonstrating effective communication and leadership skills in small group settings.
- Identifying the components of small group dynamics and practice problem solving and decision making in small group settings.

Interior Design & Merchandising I & II FIT12 • FIT14 • FIT35

Interior 1 and 2: This dynamic program introduces students to the technical knowledge and skills needed to design, produce, purchase, promote and sell merchandise and accessories within the interior design industry. Learn about the elements and principles of design, interior fabrics and textiles, the use of color and texture, retail merchandising, visual merchandising, floor space planning, rendering and Chief Architect rendering. Transform these skills into becoming an interior design apprentice, creating elaborate sets and window displays, presentation boards and participate in various EVIT events, FCCLA competitions, and design shows. Interior Design students complete the state standard course in one year. Qualified students that continue to the second year, will work on projects and internships.

Course Code	FIT12, FIT14, FIT35
Length of Course	2-4 Semesters
Campus Locations	EVIT Main Campus
College credit	This program offers college credit opportunities.
Certifications	National Retail Federation (NRF)
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Interior Designer, Staging Designer, Interior Decorator, Store Window Designer, Color Consultant, Fabric/Textile Consultant, Interior magazine editor, Retail Management, Theater Stage Designer, Event Planning, CADDesigner, Interior Architect.
Suggested courses to be taken at home school prior to or during program	Drawing, Introduction to Art, all Math courses, Basic Sewing, Fashion Design and Computer programs such as Word, Excel and Adobe Illustrator.

Students are graded on:

- Analyzing factors that influence human behavior in a design and merchandising environment
- Applying mathematical processes to problems in design and merchandising.
- Demonstrating drawing and visualization skills required for design and merchandising.
- Applying measurement techniques.
- Analyzing the principles and elements of design.
- Evaluating textiles, fibers and fabrics.
- Understanding the operations of retailing.
- Interpreting the role of an interior designer and merchandising small business in the economy.
- Analyzing the interior design and housing industry.
- Understanding issues in housing.
- Choosing furnishings and accessories.
- Analyzing interior materials and products.
- Explaining the basic elements and principles of interior design.
- Demonstrating technical knowledge for interior design.
- Interpreting schematics, blueprints and technical drawings used in design and merchandising.
- Floor space planning and rendering techniques
- Chief Architect program certification
- Preparing visual presentations for interior design.

Machining Technology MT10 • MT20 • MT30 • MT35

The tooling and machining industry is the basis for all manufacturing and well-suited for people who like to work with their heads as well as their hands. Learn the set-up and operation of modern, manual and computerized tools used by machinists, die and mold makers and skilled professionals in the manufacturing industry. Develop leadership, management, quality control, business and customer relations skills while working towards national certifications. Students may have the opportunity to cross-train with other EVIT programs and participate in internships.

Course Code	MT10, MT20, MT30, MT35
Length of Course	2-4 Semesters
Campus Locations	EVIT Main Campus
Certification	NIMS Certifications (2 or more)
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Manual & Computer Controlled Machinist, Tool & Die Maker, Mold Maker, Aerospace, Medical & Robotic industries
Suggested courses to be taken at home school prior to or during program	Introduction to Technology, Geometry, Science, Automotive Technology, Engineering

Students are graded on:

- Applying engineering drawings.
- Relating information on blueprints to actual parts.
- De-burring parts and using presses to perform press fits.
- Laying out hole centers and surfaces within +/- .015 inches.
- Setting up/carrying out between center turning operations.
- Setting up a mill to square up six sides of a block to within +/- .002 over 4.5 inches squareness.
- Setting up vertical milling machines within +/- .005 inches.
- Setting up and operating a manual surface with 8-inch grinder.
- Performing routine surface grinding, including locating surfaces and squaring of parts.
- Setting up and performing routine drill press operations.
- Developing programs for CNCs and identifying the differences in the capability of multi-axis CNCs.
- Identifying equipment for machining process and preparing production documentation for machining
- Being a member of a process team.
- Identifying personal protective equipment.
- Identifying worn/damaged cutting tools and regrinding them.
- Identifying tool and cutting.
- Monitoring equipment to ensure workplace.
- Solving for an unknown using standard formulas and making required calculations.
- Solving for unknowns in right triangles with or without a calculator.
- Calculating means, medians, modes and ranges with or without a calculator.
- Following a set of instructions laid out in a sequence.
- Applying geometric concepts and terminology (e.g., planes, perpendicularity, Cartesian coordinates, concentricity, parallelism, straightness, flatness, circularity and symmetry).
- Calculating fractions and decimals and performing metric conversions with or without a calculator.
- Utilizing Statistical Process Control (SPC) terminology (e.g., range, x-bar chart, order of operations, variation, mean, tolerance).
- Producing a part to satisfy a customer and verifying that resources are available for the production.
- Inspecting parts to verify specifications, documenting the process to ensure compliance with specs.
- Developing a process inspection plan.
- Developing a plan for sample data and verifying calibration of gauges and data collection equipment.
- Inspecting parts, applying appropriate precision measurement techniques, instruments and gauges.
- Developing a process chart, to graph and interpret sample data.
- Making recommendations relative to production conditions indicated by the process charts.
- Identifying closed-loop corrective action to provide ongoing production feedback and recording the process outcomes.
- Identifying the trends and recognizing the needs for improvement.
- Identifying and reporting performance and training issues to assess their effect on quality.
- Reading various precision measuring instruments (i.e., caliper, micrometer, depth micrometers, gage blocks and gage pins).
- Using troubleshooting to determine why something does not perform to standard.
- Maintaining equipment to identify benefits of maintaining a clean, safe and functional work station.
- Inspecting the general condition of machine tools and monitoring equipment.
- Carrying out routine maintenance of machine tools.
- Inspecting and assessing the condition of fixtures and cutting tools.
- Demonstrating math concepts by adding, subtracting, multiplying and dividing numbers without a calculator.

Massage Therapy MA05 • MA06 • MA10 • MA20 • MA25

Study Western and Eastern massage modalities, including Swedish, Sports, Chair, Hot Stone and Reflexology.
Coursework also includes anatomy and physiology, pathology, hygiene, ethics and business practices. Students prepare for their state certification by completing 700 hours of hands-on training in the public clinic on campus and at community events.

Course Code	First Year: MA05, MA06 Second Year: MA25 One Year 4-hr Program (Combined 1st & 2nd Yr): MA10, MA20
Length of Course	2 or 4 semesters (Students have the option of choosing the 2.5-hours-per-day two-year program OR the four-hours-per-day one-year program. Please state which option the student is choosing on the application.) ***** Students will be randomly drug tested.***
Campus Locations	EVIT Main Campus
Certification	Arizona State Board of Massage, Massage Therapy Licensure ***** Students must be 18 years of age before applying for state licensure.*** Students are eligible to apply for a Massage Therapy license upon successful completion of the program and the 700 clock hours. To apply for a license or more information, visit massagetherapy.az.gov.
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Massage Therapist in various settings such as day spas and resorts, Chiropractor Assistant, Private Practice Owner
Suggested courses to be taken at home school prior to or during program	English, Anatomy and Physiology, Biology, Math courses

Students are graded on:

- Knowledge of all body systems and associated medical terminology.
- Knowledge of disorders of body systems and organs (rheumatoid, degenerative, autoimmune, infectious, functional).
- Knowledge of and following rules of documentation: therapeutic records and professional organization.
- Maintaining professional network of health professionals and professional organizations.
- Provision of cardiopulmonary resuscitation and first aid.
- Knowledge of therapeutic relationship boundaries: confidentiality, nudity/draping techniques, privacy, termination of treatment.
- Knowledge of how to comply with legal and ethical responsibilities of massage therapists.
- Knowledge of how to comply with ethical business practices.
- Demonstrating and utilizing comfortable body mechanics for massage therapist.
- Maintaining appropriate environment for massage: room and layout, temperature, lighting, music, client comfort, minimal distractions.
- Demonstrating the basic strokes of Swedish massage: effleurage, petrissage, tapotement, vibration, compression, friction.
- Demonstrating effective and appropriate palpation techniques.
- Identifying muscle and joint interaction.
- Identifying reflex zones on feet and hands.
- Location of trigger points.
- Definition of R.I.C.E. (Rest, Ice, Compression, and Elevation).
- Identifying pre/post event massage.
- Demonstrating the use of hot/cold treatments.
- Demonstrating various stretching techniques: passive, assistive, active.
- Verbalizing nuances of massage techniques on clients of all age groups.
- Identifying massage techniques to be used on pregnant clients.
- Demonstrating massage techniques on physically challenged clients.
- Demonstrating massage techniques on terminally ill clients.
- Demonstrating seated massage techniques.
- Verbalizing purpose and uses of animal massage.
- Knowledge of basic business practices: computer software, bookkeeping, documentation/patient records.
- Knowledge of advertising/marketing, insurance, licenses and permits, government policies.

Medical Assistant MC19 • MC20 • MC21 • MC22 • MC23

First-year students study anatomy, physiology, medical terminology, nutrition, human growth and development, human diseases, infection control and human reproduction using a hands-on, project-based approach. Collaborative lab work and dissections are also an integral part of this course. **This course has state approved embedded credit for lab science for MC19 ONLY.** Medical Assistants are educated and trained to perform administrative and clinical skills in a variety of settings, including doctors' offices, hospitals and clinics. Learn medical terminology, body systems, EKG, phlebotomy, autoclave, CPR and first aid, OSHA safety standards and other medical specialties. Gain an understanding of office procedures such as patient billing, medical records, purchasing and filing of insurance claims. Students do a clinical externship in the second year of the course. Flexible hours may be required depending upon clinical availability. Students must provide their own transportation to the clinical sites.

Course Code	First Year: MC19 Second Year: MC20, MC21 One Year 4-hr Program (Combined 1st & 2nd Yr): MC22, MC23
Length of Course	2-4 semesters ***** Students will be randomly drug tested.***
Campus Locations	EVIT Main Campus EVIT Power Campus
College credit	This program offers college credit opportunities in MC19 and MC22 ONLY.
Certification	CCMA Certification Certification available through the National Health Career Association (NHA). Students will complete the Certified Medical Assistant (CCMA) exam at the end of this program. Also students have options of completing the Phlebotomy Technician (CPT) exam and EKG Technician (CET) exam outside the completion of the program. For information on the NHA certifications, visit nhanow.com.
Prerequisites – First Year (MC19)	6 high school credits completed 2.0 GPA
Prerequisites – Second Year (MC20 & MC21)	Seniors ONLY Successful completion of MC19 **AND** taken at least 1 credit of Biology: 'C' or better No criminal record On track to graduate or a plan for graduation 2.0 GPA or equivalent standardized test scores
Prerequisites – One Year 4-hour Program (MC22 & MC23)	2 Math credits, 2 English and Biology credits: all 'C' or better No criminal record On track to graduate or a plan for graduation 2.0 GPA or equivalent standardized test scores
Career Pathway	Medical Assistant, Medical Careers
Suggested courses to be taken at home school prior to or during program	Science courses, Math courses and English Courses, Applied Biological Systems, Anatomy

Continued on page 41

Continued from page 40

Students are graded on:

- Memorizing definitions of and correctly pronouncing 350 medical terms.
- Demonstrating safety compliance in the laboratory.
- Demonstrating proper use of a microscope.
- Correctly identifying the anatomical structures of the cell.
- Describing the functions of the organelles within the cell.
- Describing Transcription and Translation.
- Describing Mitosis and Meiosis.
- Correctly identifying anatomical structures found in the 11 body systems.
- Describing the functions of the 11 body systems and the major organs found in each.
- Describing the effects of disease on the 11 body systems.
- Describing common disorders of the 11 body systems.
- Describing basic principles of human nutrition and the process of cellular metabolism.
- Describing both phases of cellular respiration.
- Performing dissections of the heart, kidney, brain and eye.
- Performing laboratory activities associated with the 11 body systems.
- Creating illustrations/models of the 11 body systems and their functions.
- Examining health and wellness issues.
- Analyzing the influence of technology on health.
- Accurately taking patient histories to gather clinical data.
- Accurately maintaining documentation in the clinical records to ensure accurate tracking of the patient medical treatment.
- Demonstrating ability to use computer system.
- Correctly preparing and administering medicine, allergy serum and immunizations.
- Correctly calculating provider-prescribed medication depending on patient needs.
- Recognizing intra and inter department coworkers by working together as part of the multi-disciplinary team.
- Accurately scheduling and informing patients regarding procedures.
- Demonstrating awareness of staffing, scheduling process, scopes of practice and office policy and procedure.
- Accurately collecting and following procedure for handling specimens/cultures.
- Verbalizing and following a pain management protocol.
- Performing/assisting with wound care.
- Locating and correctly using equipment required for providing patient care.
- Keeping a supply inventory and replenishing supplies.
- Recognizing emergent situations and providing basic emergency care, including CPR.
- Reacting appropriately in stressful situations.
- Accurately measuring and recording fluid intake and output.
- Demonstrating professional behavior, dress and communication in all interactions in the classroom and the clinical environment.
- Accurately placing patient in prescribed position for specified exam, including children.
- Applying principles of body mechanics and assisting with physical modalities.
- Accurately assessing, calculating and documenting patient vital signs (B/P, T, P, R).
- Identifying and completing the insurance preauthorization process.
- Preparing and assisting with procedures.
- Performing tests and controls for CLIA wave testing such as finger sticks and urinalysis.
- Handling instruments and materials to assist physician in minor surgery.
- Practicing fire safety.
- Maintaining aseptic integrity in disposing of biohazardous waste and maintaining equipment, instrument and supplies.
- Appropriate application of sanitization, disinfection, and sterilization.
- Performance of venipuncture, electrocardiograms, visual acuity, audiometry, basic spirometry, pulse oximetry and ear lavage.
- Demonstrating knowledge regarding process for completion of occupation/medicine exams.
- Managing sample medications per protocol.
- Following sterile instrument processing protocol.
- Implementing/completing various office forms.

Networking & Cyber Security IT12 • IT20 • IT25 • IT26

Students in this course will be introduced to the computer-networking field and the field of cyber security. Instructors cover network/cyber terminology and protocols, communication fundamentals in data networks/security and Internet security. Students study the Open Systems Interconnection (OSI) model, using a top-down approach, cabling and cabling tools, basic Cisco router, configuration, Ethernet technologies, Internet Protocol (IP) addressing and an overview of Internet Protocol version 6 (IPv6), basic configuring and testing of the network, standards and network penetration. The course prepares students for the Cisco Certified Network Architect (CCNA) examination in the first year as well as a cyber-security certification, in second year. Students also learn the skills needed to pass the CompTIA Security+ Exams, which ensures that candidates will apply knowledge of security concepts, tools and procedures to react to security incidents; it ensures that security personnel are anticipating security risks and guarding against them.

Course Code	First Year: IT12, IT20 Second Year Networking: IT25 Second Year Cybersecurity: IT26
Length of Course	2-4 Semesters
Campus Locations	EVIT Main Campus
College credit	This program offers dual enrollment through Mesa Community College.
Certification	CompTIA Security+<Cisco CCT, ETA TTT
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Network Technician, Network Administrator, Network Security Analyst
Suggested courses to be taken at home school prior to or during program	Introduction to Technology, all Math courses, all English courses, Science courses

Students are graded on:

- Applying problem-solving and critical thinking skills applicable to information technology.
- Maintaining a safe information technology work environment.
- Recognizing security issues related to information technology.
- Understanding of legal and ethical issues related to information technology.
- Demonstrating computer mathematics required for information technology.
- Understanding the architecture, structure, functions, components and models of the internet and other computer networks.
- Describing the principles and structure of IP addressing and the fundamentals of ethernet concepts, media and operations.
- Performing basic configurations for routers and switches, and implement IP addressing schemes.
- Building simple Local Area Networks (LANs).
- Understand ethical hacking practices
- Participate in the cyber warfare team
- Describing the development/evolution of computers and information technology.
- Demonstrating knowledge of network media and topologies.
- Understanding network protocols and standards.
- Installing a network system.
- Performing network maintenance.
- Keyboarding skills of 25 wpm or better.
- Describing common uses of networks.
- Using the Internet to communicate, collaborate and retrieve information.
- Exploring system security and privacy issues.
- Describing the steps in planning and implementing technology solutions.
- Identifying terminology and uses of technology in business and society, including limitations.
- Identifying positive social and ethical behaviors when using technology and the consequences of misuse.
- Describing how technology is used in the departments of a business and in various career paths.

Nursing Assistant MC29 • MC30 • MC31

First-year students study anatomy, physiology, medical terminology, nutrition, human growth and development, human diseases, infection control and human reproduction using a hands-on, project-based approach. Collaborative lab work and dissections are also an integral part of this course. **This course has state approved embedded credit for lab science for MC29 ONLY.** A Nursing Assistant works under the supervision of a nurse to provide daily basic care for patients in hospitals, physicians' offices, private homes, clinics and assisted living facilities. First semester, learn CPR, anatomy and physiology, medical terminology, vital signs, hygiene, human reproduction, basic nutrition and patient care. During the second semester, students work in clinical settings to master the skills required for the state certification exam. Flexible hours are required and depend upon the availability of clinical sites. Weekend and/or extended days may be required. Student must provide their own transportation to the clinical sites.

Course Code	First Year: MC29 Second Year: MC30, MC31
Length of Course	2-4 Semesters ***** Students will be randomly drug tested.***
Campus Locations	EVIT Main Campus EVIT Power Campus
College credit	This program has opportunities for college credit.
Certification	Arizona State Board of Nursing Certified Nursing Assistant License Certification and licensure available through the Arizona State Board of Nursing. Students are required to have proof of legal presence in the U.S. in order to test for or renew certification or licensure. All testing will be conducted on-site at EVIT. For more information on the Arizona State Board of Nursing licensure requirements, visit www.azbn.gov.
Prerequisites – First Year (MC29)	6 high school credits completed 2.0 GPA
Prerequisites – Second Year (MC30 & MC31)	Seniors ONLY Successful completion of MC29
Career Pathway	Nursing Assistant, Licensed Practical Nurse, Registered Nurse, Nurse Practitioner, Physician's Assistant, Doctor
Suggested courses to be taken at home school prior to or during program	Applied Biological Systems, Science courses, Math courses and English Courses, Anatomy and Physiology

Continued on page 44

Continued from page 43

Students are graded on:

- Memorizing definitions of and correctly pronouncing 350 medical terms.
- Demonstrating safety compliance in the laboratory.
- Demonstrating proper use of a microscope.
- Correctly identifying the anatomical structures of the cell.
- Describing the functions of the organelles within the cell.
- Describing Transcription and Translation.
- Describing Mitosis and Meiosis.
- Correctly identifying anatomical structures found in the 11 body systems.
- Describing the functions of the 11 body systems and the major organs found in each.
- Describing the effects of disease on the 11 body systems.
- Describing common disorders of the 11 body systems.
- Describing basic principles of human nutrition and the process of cellular metabolism.
- Describing both phases of cellular respiration.
- Performing dissections of the heart, kidney, brain and eye.
- Performing laboratory activities associated with the 11 body systems.
- Creating illustrations/models of the 11 body systems and their functions.
- Examining health and wellness issues.
- Analyzing the influence of technology on health.
- Assisting residents with ambulation and the use of assistive devices.
- Accurately lifting and positioning patients in bed for the provision of care.
- Assisting residents with dressing, daily care, toileting, peri care and hygiene.
- Assisting residents with feeding and mouth care.
- Accurately measuring and recording fluid intake and output.
- Accurately assessing, calculating and documenting patient vital signs (B/P, T, P, R).
- Performing correct hand washing procedure.
- Demonstrating principles of infection control in all aspects of care.
- Correctly performing range of motion exercises on residents.
- Functioning as a member of the health team within the health care facility and/or community.
- Demonstrating ethical and legal behavior that maintains residents' rights.
- Assisting in identifying the mental health and social service needs of residents.
- Maintaining a safe environment for residents and others.
- Recognizing emergent situations and providing basic emergency care, including CPR.
- Demonstrating safe transfers, positioning and turning of residents using effective body mechanics.
- Appropriately caring for cognitively impaired residents.
- Identifying the function, structure, common health problems and normal aging changes in each body system.
- Providing for comfort and rest.
- Assisting with diagnostic tests, including the collection of specimens.
- Providing care for the peri-operative resident and/or resident with special needs.
- Assisting in admission/transfer/discharge of the resident.
- Providing care for, and communicating appropriately with, residents and family when death is imminent.
- Demonstrating basic nursing assistant skills appropriate to the CNA scope of practice.
- Demonstrating professional behavior, dress and communication in all interactions in the classroom and the clinical environment.
- Reacting appropriately in stressful situations

Occupational Therapy Aide MC39 • MC57 • MC58

First-year students study anatomy, physiology, medical terminology, nutrition, human growth and development, human diseases, infection control and human reproduction using a hands-on, project-based approach. Collaborative lab work and dissections are also an integral part of this course. **This course has state approved embedded credit for lab science for MC39 ONLY.** Occupational therapists help people with physical or mental disabilities gain the skills they need to be as independent as possible. In this class you will explore the dynamic history and philosophy of occupational therapy, understand the difference between an occupational therapist, occupational therapy assistant and occupational therapy aide. Students will experience hands-on learning of job skills needed to gain employment as an occupational therapy aide, rehabilitation provider. Qualified students will participate in clinical experiences to gain valuable on-the-job experiences. Students must provide transportation to clinical experiences.

Course Code	First Year: MC39 – CLOSED. No longer accepting applications. Second Year: MC57, MC58
Length of Course	2-4 Semesters ***** Students will be randomly drug tested.***
Campus Locations	EVIT Main Campus
Prerequisites – First Year (MC39)	CLOSED. No longer accepting applications.
Prerequisites – Second Year (MC57 & MC58)	Seniors ONLY Successful completion of MC39
Career Pathway	Occupational Therapy Aide, Rehabilitation aide, Habilitation provider, Occupational therapy Assistance, Occupational therapist.
Suggested courses to be taken at home school prior to or during program	English, Anatomy & Physiology, Biology, Art courses, Psychology, Algebra, Sociology, Statistics

Students are graded on:

- Memorizing definitions of and correctly pronouncing 350 medical terms.
- Demonstrating safety compliance in the laboratory.
- Demonstrating proper use of a microscope.
- Correctly identifying the anatomical structures of the cell.
- Describing the functions of the organelles within the cell.
- Describing Transcription and Translation.
- Describing Mitosis and Meiosis.
- Correctly identifying anatomical structures found in the 11 body systems.
- Describing the functions of the 11 body systems and the major organs found in each.
- Describing the effects of disease on the 11 body systems.
- Describing common disorders of the 11 body systems.
- Describing basic principles of human nutrition and the process of cellular metabolism.
- Describing both phases of cellular respiration.
- Performing dissections of the heart, kidney, brain and eye.
- Performing laboratory activities associated with the 11 body systems.
- Creating illustrations/models of the 11 body systems and their functions.
- Examining health and wellness issues.
- Analyzing the influence of technology on health.
- Demonstrating professional behavior.
- Demonstrating professional communication skills.
- Defining occupation and how it creates meaning and purpose in life.
- Explaining the historical and philosophical foundations of occupational therapy.
- Discussing the impact of historical and current social, economic and political issues on the occupational therapy profession.
- Identifying educational, state and national regulations governing the occupational therapy profession.
- Describing the occupational therapy aide, assistance and therapist roles and professions.
- Comparing service delivery contexts in occupational therapy.
- Explaining the impact of injury or disability on occupations.
- Explaining the impact on context, cultural factors, social factors, literacy and socioeconomics on occupations. Demonstrating common occupational therapy aide tasks and procedures.
- Describing the impact of health and wellness habits on occupation and the use of occupations to promote health and wellness.
- Demonstrating the skills to locate, read and understand Occupational therapy literature.
- Demonstrating an understanding of the occupational therapy problem solving process.
- Following blood borne pathogen safety procedures.
- Following Health Insurance Portability and Accountability Act policies to protect patient privacy.
- Demonstrating safe lifting techniques.
  Explaining patient bill of rights, behavior management guidelines, and article 9 regulations.
- Demonstrating appropriate sitting posture to prevent injury during desk top activities.
- Participation in clinical experiences.

Pharmacy Technician MC43 • MC63

Pharmacy technicians help licensed pharmacists prepare prescription medications, provide customer service and perform administrative duties. The first semester concentrates on basic health care concepts such as medical terminology, safety, customer service, problem solving and CPR. Students learn occupation specific skills during the second semester. This rigorous academic course requires a high level of independent study while learning procedures for receiving prescription requests, counting tablets and labeling bottles, along with administrative functions such as answering phones and stocking shelves. Students must be 18 to job shadow in a pharmacy. Job shadowing requires reliable transportation and is the sole responsibility of the student.

Course Code	MC43, MC63
Length of Course	2 Semesters ***** Students will be randomly drug tested.***
Campus Locations	EVIT Main Campus
Certification	Pharmacy Technician Certification available through the Pharmacy Technician Certification Board (PTCB). Students must be 18 years of age and within 60 days of high school graduation to apply to take the test. For more information on the PTCB, visit www.ptcb.org. Students who successfully pass the PTCB exam can apply for a Pharmacy Technician license with the State of Arizona at pharmarcy.az.gov.
Prerequisites	Seniors ONLY 6 high school credits completed 2.0 GPA
Career Pathway	Pharmacy Technician, Pharmacist
Suggested courses to be taken at home school prior to or during program	Applied Biological Sciences, Science courses, Math and English Courses, Anatomy & Physiology

Students are graded on:

- Identifying the top 200 drugs and matching them to indications.
- Differentiating between medications' generic (trade) names and brand names.
- Identifying common categories of drugs, naming stems that enable identification of the category.
- Explaining classifications of controlled substances and transfer regulations according to the DEA.
- Defining major symbols and abbreviations used on prescriptions and stating their meaning.
- Using common pharmaceutical and medical terminology.
- Identifying methods used to store, handle and dispose of hazardous substances and wastes according to federal standards.
- Identifying the formula used to verify the validity of a prescriber's DEA number.
- Describing requirements for recording keeping, documentation and record retention.
- Discussing restricted drug programs and related prescription-processing requirements (e.g., FDA's REMS).
- Identifying professional standards related to data integrity, security and confidentiality.
- Explaining the requirement for patient consultations by a pharmacist according to OBRA.
- Explaining the roles and responsibilities of pharmacists, pharmacy technicians and other pharmacy employees according to the Board of Pharmacy (BOP).
- Demonstrating measurement and calculating techniques.
- Describing infection control processes (e.g., hand washing, laminar air flow, clean room, PPE and universal precautions).
- Demonstrating methods to ensure medication safety.
- Identifying handling and disposal requirements (e.g., receptacles and waste streams).
- Describing documentation requirements (e.g., batch preparation and compounding record).
- Obtaining and maintaining training or certification in cardiopulmonary resuscitation (CPR), automated external defibrillator (AED), foreign body airway obstruction (FBAO) and first aid.
- Preparing medications within the scope of practice as documented in the Arizona Board of Pharmacy laws and regulations.
- Checking prescriptions or medication order for completeness, accuracy, authenticity, legality and reimbursement eligibility.
- Following the established protocol in dispensing and distributing drugs and medications.
- Collecting and recording information from customers/patients.
- Describing various reimbursement policies and plans (e.g., HMOs, PPO, CMS, Private plans and Medicare and Medicaid).
- Explaining the function and application of the national drug code (NDC), lot numbers and expiration dates.
- Describing pharmacy-related computer applications for documenting the dispensing of prescriptions or medication orders.
- Using effective strategies for communicating with non-English speaking individuals or those with special needs (e.g., vision or hearing problems, low reading level, or difficulty understanding instructions).
- Applying effective verbal & written communication skills.

Physical Therapy Technician MC38 • MC45 • MC46

First-year students study anatomy, physiology, medical terminology, nutrition, human growth and development, human diseases, infection control and human reproduction using a hands-on, project-based approach. Collaborative lab work and dissections are also an integral part of this course. **This course has state approved embedded credit for lab science for MC38 ONLY.** Physical therapist technicians and chiropractic assistants help doctors in the treatment and diagnosis of people with medical conditions and functionally-limiting injuries. This is a rigorous academic course that requires a high level of independent study. Qualified students will participate in job shadowing and/or internships in physical therapy offices or clinics. Shadowing and/or interning require reliable transportation as the sole responsibility of the student. Flexible hours may be required depending upon the availability of clinical sites.

Course Code	First Year: MC38 Second Year: MC45, MC46
Length of Course	2-4 Semesters ***** Students will be randomly drug tested.***
Campus Locations	EVIT Main Campus
Certification	Chiropractor Assistant
Prerequisites – First Year (MC38)	6 high school credits completed 2.0 GPA
Prerequisites – Second Year (MC45 & MC46)	Seniors ONLY Successful completion of MC38
Career Pathway	Physical Therapy Technician, Physical Therapy Assistant, Chiropractic Assistant
Suggested courses to be taken at home school prior to or during program	Applied Biological Sciences, Science courses, Math and English courses, Anatomy and Physiology

Students are graded on:

- Memorizing definitions of and correctly pronouncing 350 medical terms.
- Demonstrating safety compliance in the laboratory.
- Demonstrating proper use of a microscope.
- Correctly identifying the anatomical structures of the cell.
- Describing the functions of the organelles within the cell.
- Describing Transcription and Translation.
- Describing Mitosis and Meiosis.
- Correctly identifying anatomical structures found in the 11 body systems.
- Describing the functions of the 11 body systems and the major organs found in each.
- Describing the effects of disease on the 11 body systems.
- Describing common disorders of the 11 body systems.
- Describing basic principles of human nutrition and the process of cellular metabolism.
- Describing both phases of cellular respiration.
- Performing dissections of the heart, kidney, brain and eye.
- Performing laboratory activities associated with the 11 body systems.
- Creating illustrations/models of the 11 body systems and their functions.
- Examining health and wellness issues.
- Analyzing the influence of technology on health.
- Demonstrating professional behavior, dress and communication in all interactions in the classroom and the clinical environment.
- Discussing the development of physical therapy as a profession.
- Discussing the role and responsibilities of the physical therapist, physical therapy assistant and physical therapy aide.
- Identifying safety hazards commonly found in a setting where physical therapy is practiced, including standard precautions and blood-borne pathogens.
- Discussing and understanding the Patient's Bill of Rights, including HIPAA confidentiality requirements and negligence.
- Demonstrating ethical and legal conduct in all job-related activities.
- Correctly defining, spelling, abbreviating and pronouncing key terms associated with physical therapy cases.
- Demonstrating oral communication skills.
- Demonstrating written communication skills.
- Using mathematical procedures and protocols.
- Demonstrating use of standard life support CPR.
- Participating in work-based learning experiences.
- Evaluating the role of healthcare in the economy.
- Discussing the structure and function of the musculoskeletal, neurological, integumentary, and cardiovascular and respiratory system.
- Describing the various common disorders associated with musculoskeletal injuries and common disorders of neurological, integumentary, cardiovascular and respiratory system requiring physical therapy.
- Demonstrating administration and recording of vital signs.
- Identifying the various common modalities used in physical therapy, including hydrotherapy, cold, heat, ultrasound, traction, and electrotherapy therapies and their proper applications.
- Discussing special considerations when working with clients across the lifespan, including the older adult and pediatric client.
- Discussing contraindications and precautions for common physical therapy modalities.
- Describing career opportunities for physical therapy aides and demonstrating job search and retention skills.

Plumbing PLB10 • PLB20 • PLB22

The U.S. Bureau of Labor expects the nationwide demand for trained plumbing specialists to continue to grow due to an aging workforce and advances in technology. Plumbers protect the health of nations. The expert training you will receive will prepare you for a new career as a highly paid skilled technician. Students will study customer communication skills, water distribution systems, drainage waste and vent systems, plumbing fixtures, potable water quality, green plumbing, water heating concepts and plumbing fixture installation.

Course Code	PLB10, PLB20, PLB22
Length of Course	2-4 Semesters
Campus Locations	EVIT Main Campus
Certification	NCCER Plumbing Level 1, 2 and 3
College credit	This program offers college credit opportunities.
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Plumbing Apprentice, Plumbing Specialist, Public or Private Water Treatment Engineer, Waste-Water Engineer
Suggested courses to be taken at home school prior to or during program	Tech Math, Pre-Algebra, Geometry, General Science

Students are graded on:

- The history of plumbing.
- Understanding of the science of plumbing practices.
- OSHA safety standards.
- Identifying the basic tools and power tools used in the plumbing trade.
- Demonstrating the proper use of plumbing tools.
- Mathematics related to the plumbing trade.
- Identifying various plumbing drawings and the interpretation of plumbing drawings.
- Identifying plastic piping and various types of material and schedules and their application.
- Identifying copper pipe and fittings and various related materials and their application.
- Water heater installation and repair.
- Sizing DWV and Storm Systems calculating drainage fixture units for waste systems.
- Identify types of venting that can be installed in a DWV system.
- Understanding water pressure booster & recirculation systems.
- Discussing codes used by plumbers.
- Understanding hydronic and solar heating systems
- Introduction to medical gases and vacuum systems.
- Introduction to swimming pools and hot tub plumbing systems.
- Introduction of gas and fuel oil systems.
- Identifying parts of reverse osmosis systems and how to properly install and maintain systems.
- Identification of cast iron piping and its application.
- Identification of plumbing valves and faucets and their application.
- Identification of carbon steel piping and its application.
- Identifying plumbing fittings and proper installation.
- Understanding water distribution and piping size.
- Understanding ‘green’ plumbing technologies and how to effectively utilize them.
- Customer service and professionalism in the plumbing industry.
- Residential water filtration systems.
- Understanding installation, diagnosis and repair of sewage pumps and sump pumps.
- Understanding principles of compressed air systems.
- Understanding potable water supply treatment.
- Understanding concepts of service plumbing, troubleshooting and repair.
- Describing indirect and special waste systems.
- Understanding private water supply well systems.
- Understanding private waste disposal systems.
- Describing types of valves.
- Understanding installation of water heaters.

Radio/Audio Production RB10 • RB20 • RB30

EVIT's Radio/Audio Production program is home to KVIT, 88.7FM The Pulse, a non-commercial radio station that features the work of our students. The Radio/Audio program also features a state-of-the-art digital recording studio. Students will be trained in radio commercial, promo, and show production, music creation and production, journalism writing and reporting, media marketing, live sound production and more. Students have the option to focus on sports broadcasting, as EVIT Radio airs high school football, basketball and baseball/softball games during the school year throughout the East Valley. Students can train to be play-by-play announcers, analysts, & on-site live sound engineers. Students gain hands-on experience using Pro Tools recording and editing software, NextGen radio software and more.

Course Code	RB10, RB20, RB30
Length of Course	2-4 Semesters
Campus Locations	EVIT Main Campus
College credit	This program offers college credit opportunities.
Certification	Society of Broadcast of Engineers – Radio Operator Certification
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	On-Air Talent, Sound Engineering, Marketing and Promotions professional, Commercial Production, Radio Journalism, Public Relations, Music Business Professional, Digital Media, Sales and Marketing Professional, Voice Over Artist, Broadcast Engineer, Recording Engineer, Radio Program Director and many more
Suggested courses to be taken at home school prior to or during program	Introduction to Technology, English courses

Students are graded on:

- Analyzing the media industry, its business practices and its role in the economy.
- Investigating intellectual property law and rights management.
- Demonstrating verbal and non-verbal communication skills required by the media industry.
- Using industry terminology appropriately in the work environment.
- Using effective communication techniques to obtain accurate information from sources, audiences and clients.
- Practicing verbal and nonverbal communication skills with people of diverse cultures, generations and situations.
- Practicing active listening skills appropriate to the medium.
- Demonstrating written communication skills required by the media industry.
- Using professional etiquette for web-, email- and social-media-based communications.
- Utilizing computer applications to manage media.
- Applying knowledge of data capture and imagination.
- Engaging in pre-production planning phase of product creation in music and audio production.
- Implementing plans for acquiring or creating a product in accordance with music and audio standards.
- Performing tasks in post-production phase of product refinement in music and audio production.
- Delivering/distributing products using various media in accordance with consumer expectations in music and audio production.
- Monitoring quality assurance of product creation concurrent with all phases of production in music and audio production.
- Presenting products to selected audiences using media in music and audio production.
- Assembling PA system equipment and related accessories for live events.

Software Development, Coding & Mobile App Design IT13 • IT40 • IT45

This program will prepare students interested in pursuing a career in computer programing & mobile application design. Students are challenged to develop computer programs in multiple formats for use in the robotics industry, computer information systems, mobile application design and business organizations. They will also learn the skills necessary to communicate clearly, collaborate with peers, solve logistical problems and present findings. This program will introduce students to embedded technology concepts through a combination of classroom lecture and project-based learning. Students will also learn to design computer and mobile application programs using multiple platforms based on computer science principles. Students can complete the program with a variety of industry certificates.

Course Code	IT13, IT40, IT45
Length of Course	2-4 Semesters
Campus Locations	EVIT Main Campus
College credit	This program offers college credit opportunities.
Certification	Current industry recognized certificate(s)
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Software Engineering, Computer Programming, Information Technologies, Mobile Application Designer
Suggested courses to be taken at home school prior to or during program	Introduction to Technology, Algebra, Geometry, Chemistry

Students are graded on:

- Applying problem-solving and critical thinking skills to information technology.
- Recognizing security issues related to information technology.
- Exploring legal and ethical issues related to information technology.
- Demonstrating basic computer mathematics required for information technology.
- Describing the development/evolution of computers and information technology.
- Demonstrating program analysis and design
- Creating a program using software.
- Testing and debug to verify program operation.
- Writing code to perform arithmetic calculations.
- Employing modularity in writing programs.
- Utilizing conditional structures in writing programs.
- Utilizing repetitive structures in writing programs.
- Utilizing simple data types and strings.
- Implementing arrays in programs.
- Identifying ways to input and output information.
- Using external data sources within a program.
- Employing object-oriented programming techniques.
- Applying knowledge of code to perform run-time error-handling.
- Using word processing, spreadsheet, database and presentation software.
- Determining when technology is useful and selecting the appropriate tools and technology resources to address a variety of tasks and problems.
- Identifying terminology and uses of technology in business and society, including limitations.
- Identifying positive social and ethical behaviors when using technology and the consequences of misuse.
- Using sensors to control our robots' responses to stimuli.
- Ensuring a robot can perform within its environment within established tolerances.
- Ensuring a robot performs safely so as NOT to violate established safety constraints.
- Establishment, maintenance and calibrating of sensors/actuators to control a robot.
- Utilizing a programming language to develop a robotics program to perform specific tasks. (Python)
- Using Boolean Logic to analyze and implement solutions to complex problems.
- Creating and analyzing software components to determine reusability in different applications.
- Dissecting a problem to create solutions.
- Building both a prototype and program it before it goes to final production.
- Identifying common hardware components of computer systems and describing their uses.
- Identifying different types of software and their uses.
- Describing common uses of networks.
- Describing Website Technology.
- Using the Internet to communicate, collaborate and retrieve information.
- Exploring system security and privacy issues.
- Typing at least 25 words per minute.
- Creating macros and understanding the basics of Visual Basic for Applications.
- Understanding the architecture, structure, functions, components and models of the internet and other computer networks.
- Describing how technology is used in the departments of a business and in various career paths

Veterinary Assistant MC14 • MC44 • MC64

Prepare for a career in the veterinary field while learning the skills that will allow you to work with all creatures, large and small. Integrate your love for animals with medical knowledge such as assisting with radiographs, assisting with venipuncture, assisting with administering medications and vaccines, performing animal restraint and assisting with surgery, performing various laboratory procedures and assisting with general exams. During the first year students focus on anatomy and physiology of animal species, hands-on skills and practical applications. During second year students improve upon their skills through job shadowing and externships at local shelters, small and large animal practices and wildlife facilities. Students will be exposed to a variety of well and sick animals. Students must provide their own transportation to job shadowing and externship sites. Flexible hours may be required depending upon clinical availability.

Course Code	MC14, MC44, MC64
Length of Course	4 Semesters ***** Student will be randomly drug tested***
Campus Locations	EVIT Power Campus
College credit	Students that complete this 2-year program will earn 18 credits towards their Veterinary Technician Associates Degree through Pima Medical Institute.
Certification	NAVTA Approved Veterinary Assistant
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Veterinary Assistant, Veterinary Tech, Veterinarian
Suggested courses to be taken at home school prior to or during program	Science courses, Math courses and English Courses, Applied Biological Systems

Students are graded on:

- Demonstration of professional behavior, dress and communication with other members of the clinic and clients.
- Managing telephone, appointments, messages and invoicing.
- Accurately obtaining and charting medical histories, as well as taking temperature, pulse and respiration on animals.
- Accurately maintaining patient records, written and digital.
- Knowledge of various breeds of canines, felines, equines and avian species.
- Knowledge of anatomy/physiology/husbandry of canines, felines, reptiles, birds, ruminants, small mammals and equines.
- Demonstration of knowledge and use of the following supplies and equipment: IV and urinary catheters, IV and subcutaneous fluids, anesthetic masks and tubes, ECG machines, surgical supplies, bandage materials, emergency/crash cart, drip sets, surgical instruments, centrifuge, blood analyzer machines, radiograph machines and anesthesia machines.
- Demonstration and management of infectious disease protocol, especially when isolation is warranted and understanding zoonotic diseases.
- Knowledge of vaccines and the protocol for each species to be given the vaccine.
- Assist with preparing patients for surgical procedures (shaving, scrubbing, intubating and monitoring).
- Assist with monitoring surgical patients during surgical procedures and charting, during intervals, the patient's vital signs.
- Demonstration of nail trimming on various species.
- Knowledge of common surgical procedures.
- Demonstration of ear cleaning on dogs and cats.
- Demonstration of cytology and slide staining procedures, as well as creating blood smears for microscopic observation.
- Knowledge of pharmacology, including calculating dosages, as well as demonstration of administering oral medications and assisting with intravenous, intramuscular and subcutaneous injections.
- Calculating drip rates for intravenous fluids.
- Performing venipuncture on animals.
- Demonstration of animal restraint for various procedures such as venipuncture, nail trimming, physical exams and radiography.
- Understanding what a dental prophylaxis is and how all the instruments are used.
- Accurately charting and identifying teeth in various species.
- Knowledge and demonstration of various laboratory procedures, including fecal analysis, snap tests, pre-surgical blood work, dermatophyte test for ringworm, senior and health panels, hematocrit and urinalysis.
- Knowledge of imaging skills that pertain to taking radiographs.
- Knowledge of physical exams, abnormalities and diseases.
- Demonstration of intravenous or subcutaneous fluid bag set-up and assisting with administration to the patient, as well as maintenance of fluids throughout the patient's hospitalization.
- Demonstration of applying gauze, as well as nylon muzzle to both dogs and cats.
- Demonstration of extracting an animal from its cage.
- Demonstration of aseptic technique when cleaning cages, cleaning exam rooms and cleaning treatment rooms.
- Demonstration of how to prepare an instrument pack and a gown pack for sterilization in the autoclave.
- Knowledge of emergency protocol, as well as animal CPR.
- Understanding euthanasia procedures and dealing with grief-stricken clients.
- Knowledge of using doppler blood pressure equipment.

Video Production TV10 • TV20 • TV30

Show off your creativity and explore the exciting process of video and film production in one of the largest green screen and production studios in Arizona. Learn all aspects of visual media productions, including film-making, event production, corporate event production, commercials, music videos and documentaries while using industry standard equipment. Enter your short films in Film Festivals. Work with clients to produce real-world projects in a fully-equipped studios and editing bays while developing skills in all three phases of video and film making - preproduction, production and postproduction.

Course Code	TV10, TV20, TV30
Length of Course	2-4 Semesters
Campus Locations	EVIT Main Campus
College credit	This program offers college credit opportunities.
Certification	State Certificate and Portfolio
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Cinematographer, Editor, Director, Script Writer, Independent Film Maker, Producer, Film/Video Production Crew e.g. Grip, Gaffer, Sound Mixer, Camera Operator, Production Assistant, Script Supervisor
Suggested courses to be taken at home school prior to or during program	All English courses, Introduction to Technology courses, Digital Arts or Digital Media Courses

Students are graded on:

- Examining how the relationship among marketing, sales, and production affects profitability.
- Describing how production processes and cycles affect media businesses.
- Describing how diversity (cultural, ethnic, multigenerational) and ethics affect the selection of projects and programs.
- Identifying industry safety standards.
- Describing multiple distribution platforms that are in compliance with the American Disability Act.
- Explaining plagiarism and its effects in business and defining establishment of copyrights, trade names and trademarks.
- Explaining fair use in relation to legal and regulatory considerations.
- Using industry terminology appropriately in work environment.
- Using effective communication techniques to obtain accurate information from sources, audiences and clients.
- Using professional etiquette for web-, email- and social-media-based communications.
- Selecting the appropriate medium for distribution of communications and for the purpose, audience and medium.
- Using proofing skills and checking the spelling when reviewing communications.
- Use of electronic publishing software and output devices.
- Evaluating footage to determine if pre-production storyline goals have been effectively filmed.
- Evaluate the project and make revisions based on feedback.
- Delivering and distributing products using various media in accordance with the consumer expectation.
- Presenting multimedia portfolios that demonstrate video production and film industry standards.
- Planning and participating in competitions.
- Applying essential commands and knowledge of computer operating systems and file management.
- Selecting the format for digital delivery.
- Using and caring for equipment and related accessories.
- Describing the functionality of the internet, intranet and extranet in the media environment.
- Explaining methods of protecting a computer against threats.
- Identifying software that supports data capture for media devices (i.e., digital camera, video input device, graphics tablet, graphics expansion boards).
- Selecting appropriate resolutions for data capture.
- Capturing and transferring still image, audio and video.
- Archiving and managing data for media applications.
- Creating a production outline, storyboard and script.
- Designing a recommended production schedule.
- Comprehending and adhering to the expectations of the hierarchy of a production crew.
- Using camera techniques for production.
- Designing lighting for media productions.
- Selecting the appropriate audio recording method for a project.
- Creating the visual story through effective cinematography techniques.
- Differentiating and adhering to OSHA standards.
- Following personal safety in the studio and on location and safely operating and performing care and maintenance of equipment.
- Audio recording and mixing to effectively compliment the content/storyline.
- Monitoring quality assurance of product creation concurrent with all the phases of production in video and film.

Welding WD10 • WD20 • WD25

Get fired up about a career in welding while working with a variety of materials such as mild steel, aluminum and stainless steel. Learn metal fabrication and entry level welding techniques to build or repair structures or products. Work on school and customer-related projects using OXY/FUEL cutting, PLASMA cutting, SMAW, GMAW and GTAW welding. This program has an outstanding job placement rate and offers paid internships for qualified students.

Course Code	WD10, WD20, WD25
Length of Course	2-4 Semesters
Campus Locations	EVIT Main Campus EVIT Apache Junction Campus
College credit	This program offers college credit opportunities.
Certification	AWS Certifications – D1.1, SMAW, GMAW, GMAN, GTAW, FCAW Students have the opportunity to become members of the American Welding Society and test for industry certification.
Prerequisites	6 high school credits completed 2.0 GPA
Career Pathway	Cutter, Arc Welder, MIG Welder, TIG Welder, Combo Welder, Pipe Welder
Suggested courses to be taken at home school prior to or during program	Tech Math, Introduction to Industrial Technology

Students are graded on:

- Interpreting weld prints, welding symbols and Welding Procedure Specifications (WPS).
- Reading and following weld prints to properly layout, fit-up and tack weldments, projects and tests.
- Accurately reading and using measuring devices such as calipers, tape measure and scales to fabricate weldments, projects and tests.
- Correctly setting up and operating oxy-fuel cutting (OFC) equipment.
- Correctly setting up and operating the plasma arc cutting (PAC) equipment and carbon arc cutting (CAC) equipment.
- Correctly setting up and operating the semi-automatic cutting equipment.
- Properly measuring and cutting metal with OFC, PAC, CAC and semi-auto cutting equipment.
- Correctly setting up and operating Shielded Metal Arc Welding (SMAW) equipment.
- Performing fillet welds on carbon steel, in all positions, using the SMAW process.
- Performing hard facing and weld build up weldments on steel in the SMAW process.
- Fabricating projects using the SMAW process.
- Performing tests using the SMAW process.
- Correctly setting up and operating Gas Metal Arc Welding (GMAW) equipment.
- Performing fillet welds on carbon steel, in all positions, using the GMAW process.
- Fabricating projects using the GMAW process.
- Performing tests using the GMAW process.
- Performing routine maintenance on the GMAW wire feed assembly.
- Correctly setting up and operating Gas Tungsten Arc Welding (GTAW) equipment.
- Performing weldments on aluminum, carbon steel and stainless steel in the GTAW process.
- Fabricating projects using the GTAW process.
- Performing tests using the GTAW process.
- Correctly setting up and operating the Flux Corded Arc Welding (FCAW) equipment.
- Performing fillet welds on carbon steel, in all positions, using the FCAW process.
- Correctly using auxiliary equipment and tools in a safe manor.
- Describing non-destructive testing processes (i.e. visual, magnetic particle, dye-penetrant, ultrasound, pressure and x-ray).
- Performing destructive testing for certification.
- Identifying the types, storage and handling of filler material.
- Dressing out and staying on task each day.
- Wearing proper Personal Protective Equipment (PPE) and working safely.
- Performing shop clean up tasks each day.
- Attendance and arriving to class on time each day.
- Operating shop equipment and hand tools properly and in a safe manor.
- Fabricating and welding the SENSE projects/tests for each welding process.
- Fabricating and welding the final project or test in the 4th quarter.
- Meeting AWS standards in the SMAW and FCAW processes.
- Describing and welding various butt welds in all positions using all welding processes.
- Performing maintenance on FCAW wire feed assembly.

Opportunities for College Credit

EVIT offers dual enrollment and concurrent enrollment.
Dual Enrollment offers students the optional opportunity to get a jump start on their college education. The cost of $85 per credit hour is the standard Community College rate. For additional information, contact your instructor or the EVIT Counseling staff.
(As of November 2021; subject to change)

Please visit https://evit.com/high_school_career_training/college_credit_dual_enrollment for the most current information.