

Coachella Valley Unified CTE Sequence of Courses

	Academy/Industry Sector	CTE Pathway Association	Introductory Course	Concentrator Course	Capstone Course	Academy Description
CVHS	Agriculture & Natural Resources	Agriscience	Ag Biology A-G "D"	Ag. Chemistry A-G "D"	Ag Leadership & Careers A-G "G" College Credit	The Agriculture and Natural Resources Academy (ANR) at Coachella Valley High School prepares students for high skilled, high wage jobs in the agriculture industry focused on Agriscience and Ornamental Horticulture. All students participate in FFA events and work towards earning their Green Hand card which is an industry recognized certification. Cross curricular projects integrate academic subjects such as math, english, and science.
		Ornamental Horticulture	Ag Biology A-G "D"	CDE Environmental Horticulture A-G "G" College Credit	Art & History of Floral Design A- G "F"	
	Health Sciences & Medical Technology	Patient Care	Introduction to Medical Professions A-G "G"	HealthCare Essentials A-G "D"	Advanced Concepts for Medical Professionals A-G "G"	The Health Academy at Coachella Valley high school gives students all aspects of the industry to prepare them for careers in the healthcare industry. All students participate in job shadows and internships at a local hospital and community healthcare clinics. Cross curricular projects integrate academic subjects such as math, english, and science. Additionally students get a chance to participate in HOSA events and compete against other students both regionally and nationally.
		Mental & Behavioral Health		Psychology Health A-G "G"	Mind Matters A-G "G"	
	Information & Communication Technologies Pathway	Information & Support Services		Computer Concepts A-G "G"		The Information & Communication Technologies courses at Coachella Valley High School offer students a variety of projects designed to prepare them for careers in the technology field. Students analyze, design, and manage information to give them critical thinking skills. The newest strand of this academy is the Cisco networking strand, all students will have the opportunity to earn the industry recognized CompTia A+ certification after completion of IT Essentials, and CCENT (Cisco Certified Entry Network Technician) upon completion of all three courses in the sequence.
		CISCO Networking	CTE IT Essentials A - G "G"	Internet Engineering 1 A -G "G"	Internet Engineering 2 A-G "G"	
	Hospitality, Tourism, Education Academy	Hospitality & Tourism	Hospitality 1 A-G "G"	Hospitality II A-G "C"	Hospitality III A-G "G"	The Hospitality Academy at Coachella Valley High School is the oldest academy in the district. This academy is focused on preparing students for hotel and event management. All three courses were recently upgraded to receive university A - G credit. All students participate in work-based learning at resort hotels throughout the valley including the JW Marriott.
	Public Services Academy	Public Safety	Intro to Criminal Justice A-G "G"	Forensics Science 1 A-G "D"	Forensic Science Advanced Investigations A-G "D"	The Public Service Academy at Coachella Valley High School prepares students for a variety of careers in public safety including Border Patrol, Fire, and Police work. Students also have the opportunity to earn a 911 certification through the use of a high-tec simulator purchased for the program. All students receive their Guard Card and participate in work-based learning opportunities at local community events.
	Arts, Media & Entertainment Digital Design & Production Academy	Production & Managerial Arts	Digital Film I A-G "F"	RCOE Digital Film II A-G "F" College Credit	Digital Film III A-G "G"	The Digital Design & Production Academy (DDP) offers students a wide variety of interdisciplinary projects that allows students to express their creativity through graphic design and film. Students are exposed to real-world scenarios by working with industry professionals to hone their skills, while producing industry professional projects.
Engineering Pathway	Engineering Design	Engineering Geometry w/Physics A-G "D"	Engineering Your World Honors A-G "G"	Engineering Your World 2 Honors. A-G "D"	The Engineering Pathway, focused on engineering design, challenges students to critically think and problem solve design features. The pathway uses Engineer Your World curriculum for students who want to learn more about engineering and its role in shaping our world. Developed by University of Texas faculty and NASA engineers working in collaboration with experienced secondary teachers and curriculum developers, this hands-on course engages students in authentic engineering practices in a project-based environment. By scaffolding student learning over a series of engaging and socially relevant design challenges, the curriculum tells students the story of engineering as they develop design skills and engineering habits of mind.	

DMHS	Transportation Aviation Academy	Operations	Intro to History & Careers in Aviation A-G "G"	Aviation 1 A-G "G"	Aviation II A-G "G"	The Aviation Academy, in Partnership with the Thermal airport focuses on all aspects of the aviation industry. Students are exposed to fixed based operations, customer service, line mechanics, and private pilot & drone training. A Red Bird Simulator was purchased for the program, the simulator allows students to log FAA flight time towards their private pilot license.	
	Health Sciences, Medical Technology Academy	Patient Care	Introduction to Medical Professions A-G "G"	RCOE Sports Medicine 1 A-G "G"	RCOE Sports Medicine 2 A-G "G"	The Health Academy at Desert Mirage High School focuses specifically on Sports Medicine - a growing field in high demand. Students receive hands on instruction by working with the schools Athletic Trainer during high school sporting events.	
	Information & Communication Technologies Coding Academy	Software & Systems Development		Computer Concepts A-G "G"	Web Design G "F"	The Information & Communications Technology Academy at Desert Mirage High School is focused on coding. Specifically, students learn coding languages for CSS, HTML, and JavaScript to be able to work towards becoming a full stack developer.	
	Arts, Media, & Entertainment Academy	Dance			CTE AME Theatre Dance	Advanced Dance A-G "F"	The Arts, Media, Entertainment (AME) Academy at Desert Mirage High School offers both a Visual and Performing Arts pathway as well as a production pathway. All students are exposed to all aspects of the industry to prepare them for the many careers in AME!
		Visual & Performing Arts	Visual Theater A-G "F"		Intermediate Theatre Performance A-G "F"	Honors Advanced Theatre Performance A-G "F"	
		Production & Managerial Arts	RCOE Digital Film 1 A-G "F"		RCOE Digital Film II A-G "F" College Credit	RCOE Digital Film III A-G "G"	
Energy, Environment & Utilities Great Academy	Environmental Resources	Environmental Resources & Technology 1 A-G "D"		Environmental Resources & Technology 2 A-G "G"	Clean Energy Technology 3	The Green Technology Academy at Desert Mirage High School exposes students to environmental issues and challenges students to come up with solutions. Students participate in political advocacy and geological science lessons to broaden their perspective on how the environment is impacted by things such as the dissipation of the Salton Sea. All students have the opportunity to earn the OSHA 10 Safety Certification	
Engineering & Architecture Academy	Architectural Design	Drafting 1 A-G "F" College Credit		Technical Drafting Using AutoCad A-G "F" College Credit	Architectural Engineering/REVIT A-G "G" College Credit	The Engineering pathway at Desert Mirage High School is focused on Architectural Design. Students in this pathway learn drafting and design techniques and utilize 21st century technology and software as well as learning how to operate 3D printers.	
WSHS	Information & Communication Technologies Coding Academy	Software & Systems Development	Engineering Your World - Math Credit	A/P Computer Science Principles A-G "C"	A/P Computer Science A. A-G "D"	The Software Systems & Development pathway at West Shores High School prepares students for careers in coding as well as website development. Courses being offered in this pathway receive AP credit as well as college credit by passing the AP test administered by the College Board and was developed with the AP College Board's AP Computer Science A Framework and CTE's Software and Systems Development Pathway Standards.	
Middle School			7th/8th		All programs at middle schools directly link to high school programs		
TCMS	Health Sciences and Medical Technology	Patient Care	MS Introduction to Health Careers		The Health middle school program directly links to the Desert Mirage High School Health academy. In this program, students learn about careers in the health profession and are exposed to medical terminology, technology, and equipment commonly used in the field.		
	Career Exploration	All	Middle School Career Exploration		The career exploration middle school programs offers a variety of activities to help students identify personal skill sets, interests and aptitudes. After doing self-exploration, students research various careers and complete a professional portfolio which includes an educational plan to reach their career goals.		
	Information & Communication Technologies Coding Academy	Software Systems & Development	Coding 1		The Coding academy middle school program directly links to the Desert Mirage High School Coding program. Students learn a variety of coding language through hands-on experiments and also explore careers in Technology		
	Robotics	Engineering/Coding	Robotics 1	Robotics 2	Robotics is a hands-on course that teaches students to program robots. It introduces students to both engineering and coding concepts.		

	Green Energy	Environmental Resources	Environmental Science		The Environment Science middle school program at Toro Canyon aligns curriculum to the green energy academy at Desert Mirage High School. Students are exposed to sustainable energy practices and participate in the KidWind regional competition
BDMS	Career Exploration	All	Middle School Career Exploration		The career exploration middle school programs offers a variety of activities to help students identify personal skill sets, interests and aptitudes. After doing self-exploration, students research various careers and complete a professional portfolio which includes an educational plan to reach their career goals.
	Health Sciences and Medical Technology	All	Project Lead the Way Medical Detectives		Middle School Project Lead the Way Medical Detectives curriculum prepares students to play the role of real-life medical detectives as they collect and analyze medical data to diagnose disease. They solve medical mysteries through hands-on projects and labs, measure and interpret vital signs, examine nervous system structure and function, and investigate disease outbreaks. There is also a forensics component for students who may be interested in Public Safety Careers
	Robotics	Engineering	Robotics 1	Project Lead the Way Green Architecture	Robotics is a hands-on course that teaches students to program robots. It introduces students to both engineering and coding concepts. Green Architecture has an engineering focus that teaches students to apply concepts to the fields of architecture and construction by exploring dimensioning, measuring, and architectural sustainability as they design affordable housing units using Autodesk's® 3D architectural design software.
CDA	Career Exploration	ALL	Middle School Career Exploration		The career exploration middle school programs offers a variety of activities to help students identify personal skill sets, interests and aptitudes. After doing self-exploration, students research various careers and complete a professional portfolio which includes an educational plan to reach their career goals.
	Agriculture	Agriscience	Environmental Science		The Environment Science middle school program at Cahuilla Desert Academy aligns curriculum to the agriculture academy at Coachella Valley High School. Students are exposed to sustainable agriculture practices practiced in today's agriculture industry.
	Robotics	Engineering	Robotics 1	Robotics 2	Robotics is a hands-on course that teaches students to program robots. It introduces students to both engineering and coding concepts.
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