

CTE Pathways at MCHS

A student must complete 20 credits in both a concentrator and capstone course OR two capstone courses in the **same** pathway in order to become a pathway completer. Students who achieve **CTE Pathway Completion** will receive a **certificate**, a **notation on their transcript**, and a **special diploma seal** for each pathway they complete.



Arts, Media and Entertainment Industry Sector

Design, Visual and Media Arts Pathway	Level	UC/CSU A-G	College Credit
Digital Photography 1-2	Concentrator	(f) Visual Arts	Palomar PHOT 120
Digital Photography 3-4	Capstone	(f) Visual Arts	
3D Computer Animation 1-2	Concentrator	(f) Visual Arts	
3D Computer Animation 3-4	Capstone	(f) Visual Arts	
3D Computer Animation 5-6	Capstone	(f) Visual Arts	
Studio Art (Drawing, 2D, & 3D)	Concentrator	(f) Visual Arts	
AP Studio Art (Drawing, 2D, & 3D)	Capstone	(f) Visual Arts	
Performing Arts Pathway	Level	UC/CSU A-G	College Credit
Drama 1-2	Concentrator	(f) Theater	
Drama 3-4	Capstone	(f) Theater	
Drama 5-6	Capstone	(f) Theater	
Theater Arts Study & Performance 7-8	Capstone	(f) Theater	
Production & Managerial Arts Pathway	Level	UC/CSU A-G	College Credit
Digital Media Production 1-2	Concentrator	(f) Visual Arts	
Digital Media Production 3-4	Capstone	(f) Visual Arts	Palomar DBA/CINE 125
Digital Media Production Advanced	Capstone		
Technical Theater Production/Theater 1-2	Concentrator	(f) Theater	
Technical Theater Production/Theater 3-4	Capstone	(f) Theater	



Engineering & Architecture Industry Sector

Engineering Design Pathway	Level	UC/CSU A-G	College Credit
PLTW Intro to Engineering Design 1-2	Concentrator	(d) Engineering	Palomar DT 101
PLTW Honors Principles of Engineering 1-2	Capstone	(d) Engineering	
Honors PLTW Capstone 1-2	Capstone	(d) Engineering	



Information & Communication Technologies Industry Sector

Software & Systems Development Pathway	Level	UC/CSU A-G	College Credit
Computer Science & Software Engineering + AP Computer Science Principles	Capstone	(d) Comp Sci	
AP Computer Science A + Data Structures	Capstone	(c) Math -Comp Sci	



Health Science & Medical Technology Industry Sector

Biotechnology Pathway	Level	UC/CSU A-G	College Credit
Biomedical Technology	Capstone	(d) Science	Miramar BIOL 131

**This is an incomplete pathway so does not help students with pathway completion*

Healthcare Operational Support	Level	UC/CSU A-G	College Credit
Sports Medicine/Athletic Training 1-2	Concentrator	(g) Interdisciplinary	
Sports Medicine/Athletic Training 3-4	Capstone	(g) Interdisciplinary	



Education Industry Sector

Education Pathway	Level	UC/CSU A-G	College Credit
American Sign Language 1-2	Concentrator	(e) Language other than English	
American Sign Language 3-4	Capstone	(e) Language other than English	



Public Services Industry Sector

Emergency Response Pathway	Level	UC/CSU A-G	College Credit
Fire Science 1-2	Concentrator	(g) Interdisciplinary	Palomar FIRE 100
Fire Science 3	Capstone	(g) Interdisciplinary	Palomar FIRE 100
First Responder	Capstone	(g) Interdisciplinary	Palomar HE 104
Wildland Firefighting	Capstone	(g) Interdisciplinary	



Transportation Industry Sector

Systems Diagnostics, Services, & Repairs Pathway	Level	UC/CSU A-G	College Credit
Auto Technology 1-2	Concentrator		
Auto Technology 3-4	Capstone		Mira Costa Auto 102
Auto Technology 5-6	Capstone		Mira Costa Auto 130

*****Pathway offerings available to Mt. Carmel students located at other schools*****



Building & Construction Trade Industry Sector

Available at Poway High School

Residential & Commercial Construction 1-2	Level	UC/CSU A-G	College Credit
Construction Technology 1-2	Concentrator	(g) Interdisciplinary	
Construction Technology 3-4	Capstone		