Poway Unified School District
Career Technical Education

Explore the possibilities. **Design your future.**

# 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** | Capstone | (g) Math/Comp Sci | Mira Costa CS 111 |
| **AP Computer Science Principles** | Capstone | (d) Comp Sci | Mira Costa CS 101 |
| **AP Computer Science A** | Capstone | (c) Mathematics | |
| **Data Structures 1** | Capstone | (g) 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 it 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 | | |