



# Del Norte High School CTE Industry Sectors



## Arts, Media & Entertainment (AME)

The AME Pathway focuses on music, painting, drawing, dancing, and performing. It requires independent thinking and self-discipline. Student organizations may include Anime Club, Comedy Club, DN Photo Club, Drama Club, and Film Club.



## Business, Finance, & Marketing

This Pathway is ideal for students who enjoy working with numbers, working with the public, and who seek opportunities to advance in today's global workplace. Students will learn further about business management, international trade, and various financial service specializations. Student organizations in this field may include DNHS DECA.



## Education, Child Development, & Family Services

This pathway is designed to prepare students to pursue a career in the field of childcare and development for infants, toddlers, and young children. Students study child growth/development, safety and emergency procedures, nutrition and health practices, positive interactions and guidance techniques. Student organizations may include, Best Buddies, Chance 4 Children, and Mentors 2 Motivate.



## Engineering & Architecture (E & A)

The E & A Pathway provides learning opportunities for students interested in preparing for careers in areas such as architecture, industrial design, and civil engineering. Student organizations in this field may include FIRST Robotics, TARC Rocketry, Women in Science & Engineering, and Science Olympiad.



## Health Science & Medical Technology

This Pathway is one of the fastest growing industries in San Diego County, and nationwide. Students who enjoy caring for others will fit perfectly in this field. Topics that will be covered include biotechnology, patient care, public health, and medical research laboratories. Student organizations in this field may include CTSO Health Occupations Students of America (HOSA)



## Information & Communication Technologies (ICT)

The ICT Pathway provides students with computer, software, networking, telecommunications, programming, and information systems skills. This pathway meets the national criteria for high wage & high skill jobs. Student organizations may include Account Me In, Computer Science Club, Cyber Aegis, and Del Norte Mobile Tech.



## Building & Construction Trades

The Building & Construction Pathway prepares students to work with their heads and hands to design buildings and landscapes. Students will learn math, technology skills, and job experience in this industry.

This a 5.5 afterschool course at PHS



## Public Services (PS)

The PS Pathway prepares students with a broad-based foundational knowledge in careers that involve public safety. The careers in this pathway include those in fire services, emergency medical services, wildland services, and emergency management. Students in this pathway are able to compete in the Fire Science Challenge.



## Transportation

The Transportation Pathway is responsible for ensuring that people and things get to the right place, at the right time, for the right price. Students will be able to explore careers such as auto repair, auto refinishing and other related fields.

Open to all PUSD students, housed at MCHS and PHS

## CTE Pathways at DNHS

In order to become a pathway completer, a student must complete 20 credits in both a concentrator and capstone course OR two capstone courses in the **same** pathway. 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
Photography 1-2	Concentrator	(f) Visual Arts	Palomar PHOT 120
<b>Photography 3-4</b>	Capstone	(f) Visual Arts	
<b>Photography 5-6</b>	Capstone	(f) Visual Arts	
3D Computer Animation 1-2	Concentrator	(f) Visual Arts	
<b>3D Computer Animation 3-4</b>	Capstone	(f) Visual Arts	
Studio Art (Drawing, 2D, & 3D)	Concentrator	(f) Visual Arts	
<b>AP Studio Art (Drawing, 2D, &amp; 3D)</b>	Capstone	(f) Visual Arts	
Performing Arts Pathway	Level	UC/CSU A-G	College Credit
Drama 1-2	Concentrator	(f) Theater	
<b>Drama 3-4</b>	Capstone	(f) Theater	
<b>Drama 5-6</b>	Capstone	(f) Theater	
<b>Theater Arts Study &amp; Performance 7-8</b>	Capstone	(f) Theater	
Production & Managerial Arts Pathway	Level	UC/CSU A-G	College Credit
Digital Media Production 1-2	Concentrator	(f) Visual Arts	
<b>Digital Media Production 3-4</b>	Capstone	(f) Visual Arts	Palomar DBA 170
<b>Digital Media Production Advanced</b>	Capstone		
<b>Broadcast Journalism/TV Production 1-2</b>	Capstone	(g) Elective	Palomar DBA 120
<b>Broadcast Journalism 3-4</b>	Capstone	(g) Visual Arts	
Technical Theater Production/Theater 1-2	Concentrator	(f) Theater	
<b>Technical Theater Production/Theater 3-4</b>	Capstone	(f) Theater	



## Business, Finance and Marketing Industry Sectors

Business Management Pathway	Level	UC/CSU A-G	College Credit
Intro to Finance 1-2	Concentrator	(g) Mathematics	Palomar BUS 136
<b>Business Law 1-2</b>	Capstone	(g) Interdisciplinary	Palomar BUS 117
<b>Marketing Economics 1-2</b>	Capstone	(g) History/Social Science	



## Education, Child Development, & Family Services Industry Sector

Child Development Pathway	Level	UC/CSU A-G	College Credit
Child Development & Psychology 1-2*	Concentrator	(g) Interdisciplinary	

\* This is an incomplete pathway so will not help students become completers



## 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 ENGR 101
<b>PLTW Honors Principles of Engineering 1-2</b>	Capstone	(d) Engineering	Palomar ENGR 126
<b>Robotics 1-2</b>	Capstone	(g) Interdisciplinary	



## Health Science & Medical Technology Industry Sector

Biotechnology Pathway	Level	UC/CSU A-G	College Credit
PLTW Principles of Biomedical Sciences	Concentrator	(d) Life Science	
PLTW Human Body Systems 1-2	Capstone	(d) Life Science	
<b>PLTW Honors Medical Interventions 1-2</b>	Capstone	(d) Life Science	



## Information & Communication Technologies Industry Sector

Software & Systems Development Pathway	Level	UC/CSU A-G	College Credit
<b>Data Structures 1</b>	Capstone	(g) Math/Comp Sci	
<b>Data Structures 2</b>	Capstone	(g) Math/Comp Sci	
<b>AP Computer Science Principles</b>	Capstone	(d) Comp Sci	
<b>AP Computer Science A 1-2</b>	Capstone	(c) Mathematics	

**\*\*\*Pathway offerings available to Poway High students located at other schools\*\*\***



## Building & Construction Trades Industry Sector

Available as a 5.5 course after school at Poway High School

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



## Public Services Industry Sector

Available at Mt. Carmel High School for all PUSD students

Emergency Response Pathway	Level	UC/CSU A-G	College Credit
Fire Science 1-2	Concentrator		Palomar FIRE 51 & FIRE 100
<b>Fire Science 3</b>	Capstone		Palomar FIRE 51 & FIRE 100
<b>First Responder</b>	Capstone		Palomar EME 100



## Transportation Industry Sector

Available at Mt.Carmel School for all PUSD students

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 130
Auto Technology 5-6	Capstone		Mira Costa AUTO 102