

Clark Magnet High School~Career Technical Education Pathways

| Industry Sector | Pathway | School Programs | MS Course Introductory | HS Course Introductory | HS Course Concentration | HS Course 2nd Concentration or Capstone | HS Internship or Capstone Course (Work-based learning) | Glendale Community College | Certifications (Skill or Industry) |
|--|---|---------------------------------------|------------------------|--|---|---|---|---|---|
| Arts, Media, and Entertainment | Design, Visual, and Media Arts | Animation | | Tech Lit | Comp Animation 1-2 | Comp Animation 3-4 | Comp Animation 5-6 | Computer Animation 5-6 articulated with GCC Art 201 | |
| Arts, Media, and Entertainment | Design, Visual, and Media Arts | Cinematography | | Cinematography 1-2 | Cinematography 3-4 | Cinematography 5-6 HONORS | Arts, Media & Entertainment/ Cinema Internship | | AVID Professional Editor Cert |
| Arts, Media, and Entertainment | Design, Visual, and Media Arts | Design | | Tech Lit | Design 1-2 | Design 3-4 | Design 5-6 | | |
| Arts, Media, and Entertainment | Design, Visual, and Media Arts | Photography | | Tech Lit | Photography 1-2 | Photography 3-4 | AP Studio Art 2D | Photography 3-4 Articulated (GCC course Photo 130) | |
| Information & Communication Technologies (ICT) | Software Systems Development & Networking | Programming/ Coding/Networking | | Applied Math & Intro to Mobile App (2257V/2258V) | Information Systems & Information Technology Essentials 1-2 | | | | CS/IS 190 (CompTIA Industry Network+ Industry Certification), CS/IS 196 (CompTIA Security + Industry) & CS/IS 193 (EC-Council CEH-Certified Ethical Hacking Industry Certification) |
| Engineering and Architecture | Engineering Design/Tech | Engineering | | Tech Lit | Intro to Engineering 1-2 | Principles of Engineering & Manufacturing 3-4 | Computer Aided Manufacturing (CAM) 5-6 & CAM 7-8 Sector: Machining & Forming Technologies | CAM 5-6 & 7-8 (Articulated GCC course CAM 210 & 220) | NIMS & ImmerseZ Learn |
| Engineering and Architecture | Engineering Design/Tech | Engineering | | Tech Lit | Robotics Team Project 1-2 | Honors Robotics Team Project 3-4 | | Robotics Team Project 1-2 (Articulated GCC course-ENGR 130) | |
| Engineering and Architecture | Architectural Design | Architecture | | Tech Lit | | Architecture 101: 102: 250 (Dual GCC course) | | Arch 101/102 Dual GCC course | |
| Engineering and Architecture | Environmental Engineering | Geographical Information System (GIS) | | Tech Lit | Geology of Disaster | Honors GIS and Remote Sensing (replaces Science Research) (Pending) | Honors Environmental GIS | Geo 155 (GCC course) | ArchGIS Desktop |
| Business Management | Business Management | Entrepreneurship/ Business | | | Business Tech 1-2 | BUS 101-Intro To Business GCC Dual | BUS 110/BUS 141 GCC Dual Courses | | |

Course descriptions: <https://www.gusd.net/Page/115>

CTE information: [gusd.net/cte](https://www.gusd.net/cte)