

School: Cathedral City High School

Academy/Pathway: Robotics/Math Engineering Science Achievement (MESA) (152-CC)



Palm Springs Unified School District Academy/Pathway Course of Study

| Level | Grade | English Language Arts | Math | Social Studies | Science | Career Technical Education | Other Required Courses or Recommended Electives | | Sample Occupations Relating to the Pathway |
|---|-------|--|--|--|---|---|---|-------------------------------------|--|
| Middle School | 7 | | | | | Engineering Design and Robotics (7638) | | | Occupations Requiring Less Than a Baccalaureate Degree <ul style="list-style-type: none"> • CAD Technician • Electronics Technician • Manufacturing Technician • Agricultural Technician • Survey Technician Occupations Requiring a Baccalaureate Degree <ul style="list-style-type: none"> • Petroleum Engineer • Mechanical Engineer • Systems Engineer • Marine Engineer • Civil Engineer Industry Recognized Certifications, Licenses, or Credentials Related to This Pathway <ul style="list-style-type: none"> • NIMS • Lean Six Sigma • Autodesk • Microsoft Certified Systems Engineer (MCSE) • Professional Engineer License |
| | 8 | | | | | Engineering Design and Robotics (7638) | | | |
| Secondary | 9 | English I CP or Honors | Integrated Math I | | Living Earth | MESA I (8506) | P.E. | Foreign Language | |
| | 10 | English II CP or Honors | Integrated Math II | World History | Chemistry CP or Honors | MESA 2 | P.E. | Foreign Language | |
| | 11 | English III CP or Honors | Integrated Math III | U.S. History | Physics CP or Honors | | Visual and Performing Arts | P.E. or Foreign Language if needed. | |
| | 12 | English IV CP or Honors | Mathematical Reasoning with Content (MRWC) | Government Economics | | MESA 3 | | | |
| College courses below are for illustration. Actual courses a student may be enrolled in may vary based upon academic readiness. | | | | | | | | | |
| Post-Secondary | 13 F | A-2: ENG 001A composition ENG by placement | Math 40: Algebra (by placement) | C-2: Literature or Foreign Language | COUN 12: Life Planning & Kine | No Engineering program: May link to physical sciences or other related field. | | | |
| | 13 S | Kine – 2 units | B-4: Math 010 College Algebra | D-8: PS 001 American Government | B-1: Physical Science | No Engineering program: May link to physical sciences or other related field. | | | |
| | 14 F | A-3: SOC 4 Critical Thinking | A-1: COMM 001 Public Speaking | D-6: American History | DDP010: Graphic Design I | No Engineering program: May link to physical sciences or other related field. | | | |
| | 14 S | C-1: ART 003A Design and Color | C-1: Art 12A Asian Art | D-9: Psychology | B-2: Life Science B-3: Lab Science | No Engineering program: May link to physical sciences or other related field. | | | |
| | | Academy/Pathway Course | Dual Enrollment Course | CTE Meets UC a-g Entrance Requirements | Minimum UC a-g Entrance Requirement + 1 a-g approved elective | Concurrent or Articulated | | | |