

eSTEM Medical Science & Engineering 4-Year Plan

	9th	10th	11th	12th
1 Language Arts	LA 1/1 Hrs	LA 2/2 Hrs	LA3/AP Lang	ERWC/AP Lit
2 Math	Int Math 1/ 1 Enhanced	Int Math 2/ 2 Enhanced	Pre Calc Hrs/ Int Math 3/ Int Mat 3 Enhanced/ Trig/ Finite Math	AP Calc AB/ AP Stats/ Calc/ Financial Alg/ Sports Stats/ Stats
3 World Language	Spanish/ Chinese	Spanish/ Chinese	Spanish/ Chinese	Internship
4 Social Science	PE/Sports	World Hist/ AP WH	US Hist/ AP US Hist	Govt & Econ/ AP Govt & Econ Hrs
5 Science	Med Bio/ Bio Hrs	Chemistry/ Chem Hrs	AP Physics 1/ Physics	AP Bio/ AP Enviro Sci/ Zoology
6 STEM Elective	Intro Comp Sci & Intro to Engineering	Medical Anatomy and Physiology	Med Pathology/ AP Chem/ AP Bio/ Sports and Emerg Med	Infectious Diseases/ AP Bio/ AP Chem/ Med Front Office
OR				
6 STEM Elective	Intro Comp Sci & Intro to Engineering	CAD 2/ Robotics/ AP Principles of Comp Sci/	Robotics/ AP Comp Sci/ Manufacturing 1/ CAD 2	Robotics/ AP Comp Sci/ Manufacturing 2/ CAD 2
7				
Summer	Health (hybrid course)	PE	Fine Arts	

Subject Requirements Graduation and College A-G

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| a. HISTORY/SOCIAL SCIENCE - 2 years required, including one year of World History and one year of U.S. History or one-half year of American Government | |
| b. ENGLISH – 4 years required | |
| c. MATHEMATICS – 3 years required – 4 recommended. Int. Math 1, Int. Mat 2, Int. Math 3 | |
| d. LAB SCIENCE – 2 years required – 3 recommended. For UC - recommended Biology, Chemistry, and Physics. For CSU - requires at least 1 year Biology, 1 year Physical Science | |
| e. WORLD LANGUAGE – 2 years of the same language required - 3 recommended. Spanish or Chinese | |
| f. VISUAL AND PERFORMING ARTS – 1 year required. Approved UC courses in Art, Ceramics, Concert Band, Dance, Photography, Graphic Design, Jazz Ensemble, Madrigals, Symphonic Band/Wind, Theatre Arts/Production, Treble Choir, Video Production, and Visual Arts | |
| g. COLLEGE PREP ELECTIVES – 1 year required - may use excess years of “A-F” courses | |
| PE: 2 years required | HEALTH: 1 semester required |