MT. CARMEL SUNDEVILS

Health Science & Medical Technology Pathway:

Sports Medicine/Athletic Training

Grade	CTE Pathway Sequences	Recommended Supported Courses
9		**Biology 1-2** *Introductory study of living things and learn how bodies perform life functions. Meets UC/CSU "D" life science requirement.*
10		**Chemistry 1-2** Chemistry 1-2 is a laboratory science course, which will focus on major principles and concepts of chemistry. Emphasis will be placed on the study of physical chemistry, thermodynamics, equilibrium, stoichiometry, kinetics, atomic structure and chemical bonding, and acid/base. Students will learn problem-solving skills through laboratory investigation and inquiry into complex and real-world problems. Students will demonstrate insights into the connections between physical observations and the abstract models created to explain the observations. This course has been approved to meet the UC/CSU "D" or "G" requirement.
11		**Human Biology 1-2** Students will study forensic science, infectious disease, topics in medical ethics, human body organ systems, including nervous, muscular, skeletal, circulatory, and respiratory. Course aligned with Sports Medicine 1-2 curriculum. Meets UC/CSU "D" life science requirement. **AP Biology 1-2 and AP Biology Seminar** Advanced Placement Biology is equivalent to an introductory Biology course found at the freshman University level. The course features a biochemical approach to the study of life

		and included three major areas of study: Molecules and Cells, Genetics and Evolution, and Organisms and Populations. Meets UC/CSU "D" or "G" requirement.
12	**Biomedical Technology 1-2* (capstone)** The Biomedical Technology 1-2 course is an advanced course built off skills from the Biology, Human Biology, and Chemistry courses to prepare students for further education and/or employment options in the Biotechnology Industry. The goal of this course is to familiarize students with the protocols, equipment, and techniques used in this field to better prepare them for a future in Biotechnology. The course will allow students to learn about biomedical research, the pharmaceutical industry, and the critical issue of bioethics. This course is aligned to PUSD and State Standards for Science. Meets UC/CSU "D" or "G" requirement.	

*This course is articulated with Miramar Community College course BIO 131. Students will receive college credits upon completion of the CTE Transitions Credit by Exam certification process with a grade of "B" or better.

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