

## PUBLIC SERVICES PATHWAY: FIRE SCIENCE/EMT ELECTIVES

Public Services Pathway	Fall	Winter	Spring	Palomar Community College Articulation
<b>Fire Science</b>	<b>Fire Science 1*</b> Introduction to municipal fire administration, fire equipment and systems, including hose practices and using an artificial breathing apparatus. Students learn to work in teams as they do in a firehouse.	<b>Fire Science 2*</b> Students work with ladders, ropes, and knots. Students work on rescue systems, anchor points, using mechanical advantage as an applied physics concept.	<b>Fire Science 3*</b> <b>(Capstone course)</b> Students study fire inspection, ventilation, salvage work, and advanced breathing apparatus. Students participate in fire simulations and work in teams and compete with other fire science programs in a muster. Students learn how to apply for jobs in this job sector.	Courses meet a total 7 units Palomar CC: ✓ FIRE 51 Fire Academy Preparation ✓ FIRE 98 Fire Service Skills ✓ FIRE 100 Fire Protection Organization <i>(these courses would cost over \$300, plus textbooks, if taken at Palomar)</i>
<b>EMT/EMS</b> (Emergency Medical Technician and Emergency Medical Services)			<b>First Responder* (Capstone)</b> Students will learn CPR, anatomy/physiology, checking for vital signs, bandaging, universal precautions, lifting and moving patients, and bleeding control. Students will use equipment such as mannequins, blood pressure cuffs, thermometers, splints, tourniquets, defibrillators, bandages, stethoscopes and stretchers. Students learn basic anatomy and physiology, terminology and prevention of disease transmission.	Course meets a total 3 units Palomar CC: ✓ EME 100 Emergency Medical Responder <i>(this course is required prerequisite course for all students in EMT program at Palomar CC and would cost \$300, including the textbook, if taken at Palomar)</i>

\*Career and Technical Education course. This course articulates with Palomar College. This series of courses articulates with Palomar College courses. In order to gain credits from Palomar College for completion of the course sequence at Mt. Carmel, students must complete the following:

- Student must complete and submit an Application for Admission to Palomar College.
- Student must complete the articulated course with a grade of "B" or better.
- The high school teacher must complete and submit an official grade report for his/her course to the Palomar College CTE Transitions Office (Career and Technical Education)