

# Emergency Services and Management

<b>Course Credit</b>	1.0
<b>Grade Level(s)</b>	9-12
<b>Prerequisite(s)</b>	Introduction to Public Safety

In Emergency Services and Management, students prepare for careers in the emergency management field. Students will learn about the integration of all public safety functions into the process of managing major natural and man-made disasters. Students will be introduced to the National Incident Management Systems and practice emergency communications among professionals and between professionals and the public to ensure effective handling of emergency events.

Foundational standards, shown in the table below, are an important part of every course. Through these standards, students learn and apply safety concepts, explore career opportunities and requirements, practice the skills needed to succeed in the workplace, develop leadership qualities and take advantage of the opportunities afforded by Career and Technical Student Organizations (CTSOs), learn and practice essential digital literacy skills, and work toward meeting and maintaining physical fitness standards for public safety. The foundational standards are to be incorporated throughout the course.

<b>Foundational Standards</b>	<ol style="list-style-type: none"> <li>1. Incorporate safety procedures in handling, operating, and maintaining equipment; utilizing materials and protective equipment; maintaining a safe work area; and handling hazardous materials and forces.</li> <li>2. Demonstrate effective workplace and employability skills, including communication, awareness of diversity, positive work ethic, problem-solving, time management, and teamwork.</li> <li>3. Explore the range of careers available in the field, investigate their educational requirements, and demonstrate job-seeking skills including resume-writing and interviewing.</li> <li>4. Demonstrate digital literacy by using digital and electronic tools appropriately, safely, and ethically.</li> <li>5. Participate in a Career and Technical Student Organization (CTSO) to increase knowledge and skills and to enhance leadership and teamwork.</li> <li>6. Train for appropriate physical fitness and agility tests.</li> </ol>
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## Emergency Service and Management Content Standards

Each content standard completes the stem “Students will...”

<b>Integration of Emergency Management</b>	<ol style="list-style-type: none"><li>1. Describe the integration of public safety disciplines into the wider emergency management community.</li><li>2. Analyze joint and unified command functions and limitations.</li><li>3. Apply concepts of the Incident Command System in a multi-discipline response to a simulated natural or man-made disaster</li><li>4. Plan and implement evacuation procedures, including evaluation during and after an incident.</li><li>5. Apply concepts of urban search and rescue. <i>Examples: house-to-house search, use of canines</i></li></ol>
<b>Emergency Management Support Functions</b>	<ol style="list-style-type: none"><li>6. Identify government agencies outside the public safety field and describe how they integrate into the emergency management system.</li><li>7. Identify non-governmental agencies and describe how they integrate into the emergency management community.</li></ol>
<b>Emergency Communications</b>	<ol style="list-style-type: none"><li>8. Describe and demonstrate methods of handling emergency communications.</li><li>9. Identify the various parts of the emergency communications network.</li><li>10. Gather and relay information from callers and responders.</li><li>11. Assess information received in emergency situations and prioritize information to be relayed.</li></ol>

<b>Safety</b>	12. Demonstrate safe practices in emergency medical situations. <i>Examples: evaluation of a scene, scene safety, lifting and moving patient</i>
<b>Law and Ethics</b>	13. Describe legal and ethical standards to be followed in emergency situations.
<b>Human Anatomy</b>	14. Describe structures and functions of the human body as they relate to emergency medical procedures. <i>Examples: respiratory system, organ placement, blood vessel location, digestive system, skeletal structure, spinal column</i>
<b>Medical Skills</b>	15. Describe skills required in various emergency medical situations, including emergency birth, poisoning, drug overdose, shock, allergic reactions, and bleeding. 16. Identify common medications used in emergency situations and when they are indicated. <i>Examples: epinephrine pen, Naloxone</i> 17. Utilize mathematical concepts in emergency medical situations, including calculating fluid rates and drug dosage conversion.