Maryland CTE Programs of Study

Emergency Response I (2025)

GENERAL REQUIREMENTS This course is recommended for students in Grades 9-10. 1

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INTRODUCTION 2

A Career and Technical Education (CTE) instruction provides content aligned with challenging academic standards and relevant technical knowledge and skills for students to further their education and succeed in current or emerging professions. 2.A

B The Public Service Safety Career Cluster is dedicated to preparing students for foundational careers in public safety. This cluster emphasizes the skills needed to protect lives and property. Professionals in this field work across diverse settings, including municipal fire departments, emergency medical services agencies, and disaster response teams. 2.B

C The Emergency Response Program of Study offers students foundational knowledge in emergency response, safety protocols and leadership. Students will gain hands-on experience through structured coursework and practical applications, enabling them to explore the essential functions of services careers. 2.C

D Document emergency plans, observations, and actions clearly and concisely using industry- standard incident-report formats (e.g., ICS 214, damage-assessment forms). 2.D

E Students will participate in at least two Career-Connected Education and Work-Based Learning experiences in this course, such as attending guest lectures, job shadowing, or site visits with local departments. 2.E

F Students are encouraged to participate in extended learning experiences through aligned Career and Technical Student Organizations (CTSOs). CTSOs are a cocurricular requirement in the Carl D. Perkins Act, and alignment to CTSO activities is an expectation for CTE programs in the state of Maryland. 2.F

KNOWLEDGE AND SKILLS 3

A The student demonstrates the necessary skills for career development, maintenance of employability, and successful completion of course outcomes. The tudent is expected to: 3.A

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1 Identify and demonstrate positive work behaviors that enhance employability, including punctuality, professional appearance, and adherence to safety protocols. 3.A.1

2 Exhibit effective communication and active listening skills when responding to emergency scenarios and working within a team. 3.A.2

3 Solve problems using critical thinking and decision-making skills, especially during time- sensitive emergency situations. 3.A.3

4 Demonstrate leadership and teamwork skills through group activities, drills, and role- playing exercises. 3.A.4

5 Demonstrate an understanding of ethical and legal responsibilities in response professions. 3.A.5

B The student identifies various career pathways in emergency services. The student is expected to: 3.B

1 Develop a career plan that includes necessary education, certifications, job skills, and experience for roles in emergency management (e.g., risk analyst, emergency management specialist). 3.B.1

2 Demonstrate effective interview skills for roles in public service and safety, with a focus on entry-level positions). 3.B.2

C The student develops technology and digital literacy skills. The student is expected to: 3.C

1 Use technology as a tool for research, organization, communication, and problem-solving. 3.C.1

2 Use digital tools, including computers, mobile devices, collaboration platforms, and cloud services, to access, manage, and create information. 3.C.2

3 Demonstrate proficiency in using emerging and industry-standard technologies, including skills and applying creative techniques to create visually appealing products. 3.C.3

4 Understand ethical and legal considerations for technology use, including the principles of data protection, copyright, and responsible technology use. 3.C.4

D The student integrates core academic skills into practice. The student is expected to: 3.D

1 Demonstrate the use of clear communication techniques, both written and verbal, that are consistent with industry standards. 3.D.1

2 Apply English concepts such as writing informative texts when documenting the design process, identifying goals, and clearly articulating observations (damage assessments, injuries, search and rescue results. 3.D.2

3 Apply mathematics skills, including measurement, ratios, and data interpretation, in the context of risk assessments and resource allocation. 3.D.3

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'he student demonstrates knowledge and skills for ensuring safety in emergency . esponse scenarios. The student is expected to: 3.E

1. Understand and implement safety protocols to minimize risks during operations. 3.E.1
2. Recognize the importance of mental and physical fitness in emergency management careers. 3.E.2
3. Accurately evaluate an emergency situation using emergency preparedness concepts and techniques. 3.E.3

F The student demonstrates effective communication and teamwork skills in emergency services. The student is expected to: 3.F

1. Practice clear verbal communication and active listening in complex environments. 3.F.1
2. Collaborate effectively with peers and professionals during mock drills and team-based exercises. 3.F.2

G The student applies basic principles in emergency management responses. The student is expected to: 3.G

1. Understand the importance of stress management and resilience in security operation. 3.G.1
2. Recognize common threats to critical infrastructure and apply strategies for prevention. 3.G.2
3. Demonstrate proficiency in emergency response procedures and incident command systems through mock expeciences. 3.G.3