Maryland CTE Programs of Study

Emergency Response III (2025)

GENERAL REQUIREMENTS This course is recommended for students in Grades 11-12. 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 Services Career Cluster equips students with advanced skills for careers in emergency medical services, emergency response management, and emergency management. These careers demand a combination of technical expertise, communication, and leadership abilities, preparing students to protect lives and property in diverse and high- pressure environments. 2.B

C The Emergency Program of Study offers students opportunities to enhance their foundational knowledge while exploring advanced concepts in risk management, disaster preparedness, , and infrastructure protection. This program emphasizes hands-on real-world security scenarios and supports growth and learning through interdisciplinary opportunities. 2.C

D Emergency Response III focuses on developing advanced skills. Students will explore topics such as disaster recovery planning, critical infrastructure protection, inspection of major import and export hubs and run risk analysis simulations. Additionally, the course introduces concepts of emergency operations coordination, including incident command systems and collaborative response strategies. 2.D

E Students will participate in at least two Career-Connected Education and Work-Based Learning experiences, including hands-on practice including job shadowing. 2.E

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

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KNOWLEDGE AND SKILLS 3

A The student demonstrates advanced skills for career development and leadership in emergency management professions. The student is expected to: 3.A

1. Demonstrate advanced leadership skills in multi-agency emergency response scenarios. 3.A.1
2. Apply critical thinking to evaluate evolving threats and develop adaptive solutions. 3.A.2
3. Exhibit effective written and oral communication skills in presenting strategic plans and collaborating with stakeholders. 3.A.3
4. Understand ethical and legal considerations in emergency management operations, including privacy, surveillance, inspection, and civil liberties. 3.A.4

B The student identifies specialized career pathways in emergency management and emergency preparedness. The student is expected to: 3.B

1. Develop a career plan that includes the necessary education, certifications, job skills, and experience for specific roles. 3.B.1
2. Create a professional resume and portfolio that reflect skills, projects, certifications, and recommendations. 3.B.2
3. Demonstrate effective interview skills. 3.B.3

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 and articulating goals. 3.D.2
3. Demonstrate mathematical understanding and awareness with service decision-making. 3.D.3

E The student demonstrates knowledge of health and wellness in emergency services careers. The student is expected to: 3.E

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1 Understand the physical and mental demands and develop strategies for success. 3.E.1

2 Participate in fitness training programs to maintain physical readiness for tasks. 3.E.2

3 Collaborate professionals to gain firsthand insights into industry best practices. 3.E.3

F The student participates in extended learning opportunities to enhance career readiness. The student is expected to: 3.F

1 Engage in apprenticeships with local departments of emergency management and emergency management response organizations. 3.F.1

2 Engage in internships with local departments or emergency management service organizations. 3.F.2

3 Collaborate with professionals to gain firsthand insights into industry best practices. 3.F.3

G The student prepares for a work-based learning experience by demonstrating professional skills. The student is expected to: 3.G

1 Develop a professional resume, portfolio, or skills showcase highlighting competencies. 3.G.1

2 Practice interview skills and demonstrate knowledge of workplace expectations in settings. 3.G.2

3 Set career-related goals for a work-based learning experience, including specific skills to develop and refine. 3.G.3