



DEPARTMENT OF  
HIGHER EDUCATION &  
WORKFORCE DEVELOPMENT

**New Program Report**

**Date Submitted:**

04/30/2021

**Institution**

Ozarks Technical Community College

**Site Information**

**Implementation Date:**

8/2/2021 12:00:00 AM

**Added Site(s):**

**Selected Site(s):**

Ozarks Technical Community College, 1001 E. Chestnut Expressway, Springfield, MO, 65802

**CIP Information**

**CIP Code:**

430302

**CIP Description:**

A program focusing on the application of the incident command system model to formulating and implementing effective response to natural and man-made disasters. Includes instruction in contingency planning, hazard and risk assessment, joint operations, law and ethics, emergency response and recovery, event mitigation, emergency rescue and medical operations, incident command, terrorism and national security issues, law enforcement, relief administration, volunteer and citizen coordination, public relations and applications to specific types of incidents.

**CIP Program Title:**

Crisis/Emergency/Disaster Management

**Institution Program Title:**

Emergency Management & Disaster Preparedness

**Degree Level/Type**

**Degree Level:**

Associate Degree

**Degree Type:**

Associate in Applied Science

**Options Added:**

**Collaborative Program:**

N

**Mode of Delivery**

**Current Mode of Delivery**

Online

**Student Preparation**

**Special Admissions Procedure or Student Qualifications required:**

No special preparation will be required.



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Specific Population Characteristics to be served:

n/a

### Faculty Characteristics

Special Requirements for Assignment of Teaching for this Degree/Certificate:

An associate degree, preferably in Emergency Management, Homeland Security or a related field is required, or a combination of education and experience may be substituted in lieu of a degree.

Education and experience would include a minimum of five years professional experience in any of the following areas: emergency management, homeland security, public policy/administration, military (specified Military Occupational Specialty codes only), intelligence/ OP, IT, communication, other PS areas.

Estimate Percentage of Credit Hours that will be assigned to full time faculty:

Estimated percentage of credit hours that will be assigned to full time faculty is 0. This program will initially assign 100% of the credit hours to adjunct faculty.

Expectations for professional activities, special student contact, teaching/learning innovation:

Laboratory and field activities are an integral part of this program. Students will participate in virtual tabletop exercise(s) designed to test the student's capacity to work together as a team to solve problems and coordinate a functional response to a simulated disaster. In addition, the student will be required to complete a 3-credit hour capstone field internship with a local emergency management program to gain a working knowledge of the industry.

### Student Enrollment Projections Year One-Five

Year 1	Full Time: 7	Part Time: 8	
Year 2	Full Time: 10	Part Time: 8	
Year 3	Full Time: 15	Part Time: 11	Number of Graduates: 7
Year 4	Full Time: 18	Part Time: 11	
Year 5	Full Time: 22	Part Time: 15	Number of Graduates: 12

Percentage Statement:

n/a

### Program Accreditation

Institutional Plans for Accreditation:

The plan for accreditation is to partner with the Emergency Management Accreditation Program (EMAP) after year three.

### Program Structure

Total Credits:

60

Residency Requirements:

15 of the last 30 credit hours

General Education Total Credits:

15



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**Major Requirements Total Credits:**

45

**Course(s) Added**

COURSE NUMBER	CREDITS	COURSE TITLE
EMD 110	3	Intro Hazards and Risk Management
EMD 105	3	Emergency Plan & Preparedness
EMD 205	3	Social Media in Disaster Resp
EMD 240	3	Leadership & Decision Making
EMD 230	3	EOC Management
EMD 115	3	Hazard Mitigation Emerg Mgmt
EMD 130	3	NIMS: Principles and Practice
EMD 100	3	Fundamentals of Emergency Management
EMD 250	3	Exercise Design & Evaluation
EMD 235	3	Emerg Prep Business & Industry
EMD 220	3	Crisis Comm. and Public Info
EMD 280	3	Emergency Management Capstone
EMD 260	3	Business Continuity Planning
EMD 200	3	Disaster Response & Recovery
EMD 150	3	Managing Disaster Resources

**Free Elective Credits:**

0

**Internship or other Capstone Experience:**

At the end of the program, the student will be required to complete a 3-credit hour capstone field internship with a local emergency management program to gain a working knowledge of the industry. Classroom time will be integrated with the field internship to provide additional learning opportunities and research paper/project preparation.

**Assurances**

I certify that the program is clearly within the institution's CBHE-approved mission. The proposed new program must be consistent with the institutional mission, as well as the principal planning priorities of the public institution, as set forth in the public institution's approved plan or plan update.

I certify that the program will be offered within the proposing institution's main campus, CBHE-approved service region or CBHE-approved off-site location.



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I certify that the program will not unnecessarily duplicate an existing program within the geographically applicable area.

I certify that the program will build upon existing programs and faculty expertise.

I certify that the program can be launched with minimal expense and falls within the institution's current operating budget.

I certify that the institution has conducted research on the feasibility of the proposal and it is likely the program will be successful. Institutions' decision to implement a program shall be based upon demand and/or need for the program in terms of meeting present and future needs of the locale, state, and nation based upon societal needs, and/or student needs.

Contact Information

First and Last Name: RENEE  
GRAVES

Email: [gravesr@otc.edu](mailto:gravesr@otc.edu)

Phone: 417-447-8115

Student ID: \_\_\_\_\_  
 Student Name: \_\_\_\_\_  
 Navigator Name: \_\_\_\_\_

Catalog: 2021-2022 Academic Catalog and Student Handbook  
 Program: Emergency Management and Disaster Preparedness (A.A.S)\* PENDING APPROVAL FOR FALL 2021

## Emergency Management and Disaster Preparedness (A.A.S)\* PENDING APPROVAL FOR FALL 2021

A.A.S. Degree: 60 Hours

This program is to prepare students for employment in the field of emergency management in both the public and private sectors. The student can serve as, but is not limited to positions of Emergency Manager, Emergency Planners, Emergency Management Specialists, and Business Continuity Specialists. Students can be employed by, but are not limited to, Local, State, Federal governments, business and industry, military installations and the healthcare sector.

This program provides a working knowledge of the basic tenets in emergency management that are part of the five mission areas of mitigation, prevention, preparedness, response and recovery. Students will develop a knowledge of whole-community planning, coordination and management functions.

## Emergency Management and Disaster Preparedness Requirements - 45 Credit Hours

Course Name	Credits:	Semester Completed	Grade	CORE 42
EMD-100 Fundamentals Emergency Mgmt <i>Prerequisite(s):</i> PLS 101 or concurrent enrollment.	Credits: 3			
EMD-105 Emergency Plan & Preparedness <i>Prerequisite(s):</i> EMD 100, EMD 110 or concurrent enrollment.	Credits: 3			
EMD-110 Intro Hazards and Risk Mgmt	Credits: 3			
EMD-115 Hazard Mitigation Emerg Mgmt	Credits: 3			
EMD-130 NIMS: Practice and Principles	Credits: 3			
EMD-150 Managing Disaster Resources <i>Prerequisite(s):</i> EMD 100.	Credits: 3			
EMD-200 Disaster Response & Recovery <i>Prerequisite(s):</i> EMD 105.	Credits: 3			
EMD-205 Social Media in Disaster Resp <i>Prerequisite(s):</i> EMD 100.	Credits: 3			
EMD-220 Crisis Comm. and Public Info <i>Prerequisite(s):</i> ENG 100 or ENG 101 and COM 105.	Credits: 3			
EMD-230 EOC Management <i>Prerequisite(s):</i> EMD 100, EMD 130.	Credits: 3			
EMD-235 Emerg Prep Business & Industry	Credits: 3			
EMD-240 Leadership & Decision Making <i>Prerequisite(s):</i> EMD 100, EMD 105, EMD 230, and PLS 101.	Credits: 3			
EMD-250 Exercise Design & Evaluation <i>Prerequisite(s):</i> EMD 100, EMD 105.	Credits: 3			
EMD-260 Business Continuity Planning <i>Prerequisite(s):</i> EMD 235 or concurrent enrollment.	Credits: 3			
EMD-280 Emergency Management Capstone <i>Prerequisite(s):</i> Must complete 30 credit hours of EMD coursework.	Credits: 3			

## General Education Requirements - 15 Credit Hours

The Missouri Department of Higher Education has identified a common set of general education courses that have been adopted statewide. These courses are called the "CORE 42." CORE 42 courses are **guaranteed** to transfer to any Missouri public college or university to satisfy general education requirements.

Courses in knowledge areas below, designated with the CORE 42 logo indicates courses in that area have been evaluated and provided a MOTR number for transfer to all Missouri public institutions of higher education.

**Courses that do not have this designation may still transfer to public and private colleges and universities in Missouri and elsewhere**, but students are encouraged to check the transfer equivalency website of the institution to which they plan to transfer to confirm.

Please refer to the MDHE Core Transfer Curriculum for detailed information on CORE 42 courses.

## Mathematical Sciences

MTH 105 is preferred.

Course Name	Credits:	Semester Completed	Grade	CORE 42
MTH-105 Business Math	Credits: 3			
MTH-110 Intermediate Algebra	Credits: 4			
MTH-128 Contemporary Mathematics	Credits: 3			
MTH-128S Cont Mathematics with Support	Credits: 4			
MTH-130 College Algebra	Credits: 3			
MTH-130S College Algebra With Support	Credits: 4			
MTH-131 Trigonometry <i>Prerequisite(s):</i> Grade of "C" or better in MTH 130 or satisfactory score on the ACT.	Credits: 3			
MTH-138 Pre-Calculus Mathematics <i>Prerequisite(s):</i> Grade of "B" or better in MTH 110 or satisfactory score on the ACT.	Credits: 5			
MTH-140 Analytic Geometry and Calculus I <i>Prerequisite(s):</i> Grade of "C" or better in MTH 131 or MTH 138 or satisfactory score on the ACT.	Credits: 5			
MTH-141 Analytic Geometry and Calculus II <i>Prerequisite(s):</i> Grade of "C" or better in MTH 140.	Credits: 5			
MTH-210 Statistical Methods <i>Prerequisite(s):</i> Grade of "C" or better in MTH 128 or MTH 130 or satisfactory score on the ACT.	Credits: 3			
MTH-214 Discrete Mathematics <i>Prerequisite(s):</i> Grade of "C" or better in MTH 131 or MTH 138 or satisfactory score on the ACT.	Credits: 3			
MTH-215 Algebraic Structures <i>Prerequisite(s):</i> Grade of "C" or better in MTH 140.	Credits: 3			
MTH-230 Linear Algebra <i>Prerequisite(s):</i> Grade of "C" or better in MTH 141.	Credits: 3			
MTH-240 Analytic Geometry and Calculus III <i>Prerequisite(s):</i> Grade of "C" or better in MTH 141.	Credits: 3			
MTH-241 Differential Equations <i>Prerequisite(s):</i> Grade of "C" or better in MTH 240.	Credits: 3			

**Written Communications - 3 Credit Hours**

Course Name	Credits:	Semester Completed	Grade	CORE 42
ENG-100 Composition I With Support or	Credits: 5			
ENG-101 Composition I	Credits: 3			

**Oral Communications - 3 Credit Hours**

Course Name	Credits:	Semester Completed	Grade	CORE 42
COM-105 Public Speaking	Credits: 3			

**Sciences - 4 Credit Hours**

Course Name	Credits:	Semester Completed	Grade	CORE 42
ATS-112 Introduction to Environmental Science	Credits: 3			

**Social and Behavioral Sciences - 3 Credit Hours**

Course Name	Credits:	Semester	Grade	CORE 42

		<b>Completed</b>		
PLS-101 American Government and Politics	Credits: 3			
<b>Notes:</b>				

**Associate of Applied Science in Emergency Management and Disaster Preparedness (EMD)  
Degree Program**

**Justification**

The Emergency Management and Disaster Preparedness Associate of Applied Science Program is proposed as a fully online program, emphasizing the knowledge and skills required to effectively begin a comprehensive career in the field of emergency management. Students will be required to manage the mitigation and prevention of, preparedness for, response to, and recovery from natural and human-caused disasters. The student will develop a knowledge whole-community planning, coordinate and manage functions and elements of the emergency management program; design and improve emergency management capabilities and coordinate operations during major disasters. To accomplish this, students will need courses in the technical field area, knowledge and skills in social behavior, basic research methodology, and a high level of communication and science.

**Statement of Need**

Several institutions of higher education in Missouri currently offer either a bachelor or an associate degree in the emergency management discipline. Clearly the demand is present and growing.

A recent posting on USAJOBS.gov shows 3,549 federal Emergency Management Specialist open positions.

According to federal government sources, over the last five years, the U.S. has experienced \$607 billion in loss through natural disasters. The COVID-19 pandemic expense alone totals in the trillions of dollars. These dollars are allocated, in large part at the local level.

The outlook for public-sector employment of these managers is often related to budget constraints. Some local and state governments rely on federal financial assistance to fund their emergency management agencies. Counties may not hire full-time, stand-alone emergency management directors, choosing instead to shift the job responsibilities to the fire chief, police chief, or other government employees. However, recent events and the potential for future disasters and public disruptions, underscores the extreme need to train emergency managers at the state and local jurisdictional level.

In the United States, disasters are not getting fewer or less expensive, they are becoming more prevalent and dramatically more expensive. In the last 14 months, FEMA, through presidential executive order, has issued 324 disaster declarations across the U.S.

Strong leaders, trained in the five mission areas of emergency management (preparedness, prevention, mitigation, response, and recovery) are in high demand and will continue to be as communities are faced with threats, both naturally occurring and manmade.

This degree program is the result of requests from local law enforcement, healthcare, emergency management and fire organizations. One of the main goals is to promote interagency cooperation to improve the response and recovery efforts of public safety agencies in the region. High quality, continuing education opportunities will attract and serve public safety professionals statewide.



### Job Prospects

According to the Bureau of Labor Statistics, openings in the emergency management discipline are expected as new talent will be needed to replace workers who transfer to different occupations or exit the labor force, through retirements and other common workforce attritions.