

Disaster Medicine and Management

College of Health Professions

Presentation Overview

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Dr. Jean Bail

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As we are living through a disaster presently, our attention is focused on the impact of the pandemic. Pandemics are one of many types of disaster events for which we need to be prepared through the phases of emergency management: prevention, preparedness, mitigation, responding and recovering. These take on a different level of importance in the present times. Other disaster events include hurricanes, tornados, earthquakes, cyber events and terrorism, to name a few. The M.S. program addresses these steps in 12 courses (36 credits) as well as the requirement for experiential learning, in order to apply the concepts in real world settings.



3 Programs available

- 36 Credit, 12 course M.S.
- 9 credit, 3 course Certificate in Disaster Medicine and Management
- 9 credit, 3 course certificate in Business and Organizational Continuity
- New program developing for a Dual Degree with the Master's in Public Health Summer 2021

M.S. Program

8 Required courses:

Foundations in Emergency Management

Organizational Management and Communications in Disasters

Psychological Aspects of Disasters* (Share on-campus Conference week)

Principles of Disaster Exercises and Drills* (Share on-campus Conference week)

Public Health Implications of Disasters

Logistic Management for Disasters

Applied Research Methods and Statistics

Capstone Experience in Disaster Medicine and Management - Master's Project

Minimum 100 hours of Experiential learning



M.S. continued

Choose 4 electives:

Foundations in Homeland Security and Defense
International and Humanitarian Disaster
Management
Hazardous Materials and Industrial Safety
Disaster Mapping (requires Windows software)
Natural Disasters
Weapons of Mass Destruction
Organizational Risk and Crisis Management
Business and Crisis Continuity

Organizational Recovery and Planning
Principles of Terrorism
Emergency Preparedness for Special Needs
Populations
Healthcare Emergency Management
Clinical Disaster Medicine
Internship in Disaster Medicine and Management
Special Topics in Disaster Medicine and
Management (1-3 credits)



Certificate in Disaster Medicine and Management

3 courses:

Foundations in Emergency Management

Logistic Management for Disasters

Choose 1 course from any of the DMM Choices.



New Option Dual Degree DMM MS and MPH

- 63 credits
- 36 MPH
- 27 DMM
- Shared experiential learning and Capstone
- MPH currently is in-person on the Center City campus
- DMM can be in-person or online

Certificate in Business and Organizational Continuity

3 courses:

Business and Crisis Continuity

Organizational Risk and Crisis Management

Organizational Recovery and Planning



Capstone projects examples include:

Mass Casualty Incident Training for Rural Canadian Municipalities: A Mobile Education Unit Initiative by Dr. Floyd Besserer

Cultivating Community Resilience Through Animal Disaster Planning: Capitalizing on the Human-Animal Bond by Jade Budden

Disaster Planning for Visually Challenged Population by Eduardo Fuentecillo

PPE Misuse and its Effect on Infectious Disease Among EMS in Saudi Arabia by Abdulaziz Alshammari



Program Highlight

RANKINGS

Best Affordable Online Master's in Emergency Management by Affordable Schools.

TOP 30 Online Master's in Emergency Management by Intelligent.

Required 6.5 day on-campus conference week! Multiple activities, consulting, exercises, evaluation and more.
The one time everyone comes to campus.



EMPLOYERS OF JEFFERSON GRADUATES

- Various Hospital systems
- Municipal Services
- County Office of Emergency Management
- Private consulting
- Federal Agencies



JOB TITLE

Examples of Emergency Management Positions

OUTLOOK

Emergency Management Director, growth rate estimated at 5%

Emergency Management Specialist

Health Alert Network

SALARIES

MAX

\$105,000



MEDIAN

\$74,420



START

\$67,400



- **Order of the Sword and Shield**
 - National Honor society
 - **International Association of Emergency Managers**
 - Wonderful networking and job exploration organization. Attend the annual conference, use the job board.
 - Offers the Associate Emergency Manager credential - we encourage you to apply for this before graduation. Write your portfolio and take the exam.
 - Certified Emergency Manager credential - after 2 years of experience apply to this level.
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Nelly Perez-Melendez



The Disaster Medicine and Management program has given me the learning material to expand my knowledge in this field, and the tools to succeed. With support and excellent guidance from the faculty, I have been able to accept challenges and enhance my resume with new skills and unique experiences. I have had the opportunity to intern with FEMA and volunteer with local organizations such as the Philadelphia Medical Reserve Corps and the Red Cross. Also, I was deployed to Texas with Team Rubicon and have the privilege to lead the IAEM student chapter. Taking advantage of the numerous opportunities offered to us, I became an intern for a hospital system where I am now a temporary full-time employee to support the COVID-19 response efforts. The experience and knowledge I have gained from this program surpassed my expectations and motivated me to keep growing in this field.



Barry J. Burton, D.O.

DEPARTMENT OF DISASTER MEDICINE AND MANAGEMENT,
Assistant Professor

BSN FROM TEMPLE UNIVERSITY
DO FROM THE PHILADELPHIA COLLEGE OF OSTEOPATHIC
MEDICINE (1988)



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“By failing to prepare, you are preparing to fail.”
— Benjamin Franklin

COURSES

- DMM 610 - Foundations in Emergency Management
- DMM 631- Organizational Management and Communication in Disaster
- DMM 651 - Applied Research Methods and Statistics
- DMM 653 - Clinical Disaster Medicine
- DMM 612 - Foundations in Homeland Security and Defense
- DMM 627 - Principles of Terrorism



Cristina Pareja, MD

I had the honor to do my master's in Disaster Medicine and Management at Thomas Jefferson University. We had a wide overview and courses about natural disasters, man-made disasters, CBRNE events. Now thanks to all that knowledge and hands-on experience that the course gave me I can help my country Ecuador, through the COVID-19 Pandemic. I work at Ecuadorian Red Cross and I am part of the health team working to provide technical support to the National EOC.

MD. Cristina Pareja
Ecuadorian Red Cross





Jefferson
Thomas Jefferson University