

Graduate Certificates in Emergency Management and Homeland Security

Background

The Crisis, Emergency and Risk Management (CERM) focus area in EMSE was established in 1998 by Professor John Harrald with Associate Professor Joseph Barbera's support. The graduate program was approved for a DSc (now PhD), an MS in Engineering Management, and several Graduate Certificates. The graduate certificates in Emergency Management at that time consisted of six three-credit courses. In 2002, a joint Emergency Management and Public Health Graduate Certificate was established with the GW School of Public Health and Health Services, consisting of 12 CERM credit hours and six Public Health credit hours. During the post 9-11 era, the original 18 credit Emergency Management Graduate Certificate was transitioned to Homeland Security Emergency Preparedness and Response (HSEP&R) by Professor Harrald. In 2014, Professor Barbera assumed lead professorship for the CERM focus area.

Current Situation

Recently, new Graduate Certificates in the School of Engineering and Applied Science have become standardized with four-course, 12-credit-hour content. EMSE faculty have since approved and established four-course (12 credit hours) Graduate Certificates in a number of focus areas within EMSE, including a Graduate Certificate for the GW School of Business graduate students: The Graduate Certificate in Business Crisis, Continuity, and Recovery Management.

Given the above situations, the Graduate Certificate in Homeland Security Emergency Preparedness and Response has been "sun downed" (no new admissions, but those enrolled can complete it).

Description of the Graduate Certificate in Emergency Management and Homeland

This is a four-course, 12-credit Graduate Certificate offered for Master's level students interested in emergency management, business crisis management, continuity of operations and organizational resilience, emergency and disaster response, humanitarian missions and homeland security careers. The curriculum is conducted by the Department of Engineering Management and Systems Engineering (EMSE) in the School of Engineering and Applied Science (SEAS), and specifically by the Crisis, Emergency and Risk Management (CERM) focus area. The courses for this certificate are listed below. A substitute for a required course may be accepted if a course is not taught during the student's academic window.

Required:

EMSE 6300 Homeland Security: The National Challenge
EMSE 6305 Crisis and Emergency Management

Plus two of the following three-credit courses:

EMSE 6310 Information Technology in Emergency Management
EMSE 6315 Risk Management, Hazard Analysis, and Risk-based Decision-making
EMSE 6320 International Disaster Management
EMSE 6325 Medical and Public Health Emergency Management
EMSE 6345 Building the Resilient Organization: Continuity, Crisis, and Disaster Recovery Management
EMSE 6350 Managing Disaster Resilience through Hazard and Threat Mitigation
EMSE 6992 Leadership in Crisis & Catastrophe

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