

George Washington University – Master of Science in Engineering Management with a focus in Crisis, Emergency and Risk Management

The George Washington University (GWU) Department of Engineering Management and Systems Engineering offers this degree. The Crisis, Emergency and Risk Management (CERM) focus area is layered upon an engineering management foundation, producing an engineering degree that is highly desirable in the marketplace. The program provides an interdisciplinary graduate education for persons engaged in or seeking professional careers in emergency management, crisis management and business continuity practice in government, private and not-for-profit sectors. The CERM focus area has a long academic track record, since 1998, and alumni have enjoyed exceptional professional success across the full range of homeland security, emergency management and private/not-for-profit crisis and emergency management careers. Graduates can be found in senior positions in FEMA, DHS, state and local government, NGOs, consulting, and private sector positions in the US and other countries. Alumni are available to students for career advice and mentoring. The CERM courses are taught by faculty who are committed to quality higher education and are active in the professional areas in which they teach. The Washington DC location promotes the use of guest speakers from a range of governmental, private, not-for-profit and scientific organizations so students obtain real insights into theory and application. Internship opportunities are widely available across the Washington DC area. Courses are conveniently offered in the evening hours at GWU's Main Campus in Foggy Bottom, Washington, DC, promoting frank and "not for attribution" discussion.

Required Core Engineering Management (12 credits):

EMSE 6001 The Management of Technical Organizations
EMSE 6410 Survey of Finance and Engineering Economics
EMSE 6020 Decision Making with Uncertainty
EMSE 6801 Systems Engineering I

Required Core CERM Focus Area (12 credits):

6305 Crisis and Emergency Management
6310 Information Technology in Crisis and Emergency Management
6315 Management of Risk and Vulnerability for Hazards and Terrorism
6325 Medical and Public Health Emergency Management OR 6330 Management of Terrorism Preparedness and Response

Four elective courses (12 credits) from:

EMSE 6300 Homeland Security: The National Challenge (3 credits)
EMSE 6320 International Disaster Management
EMSE 6325 Medical and Public Health Emergency Management
EMSE 6330 Management of Mass Terrorism Preparedness and Response
EMSE 6345 Disaster Recovery and Organizational Continuity
EMSE 6350 Hazard Mitigation in Disaster Management
EMSE 6992 Special Topics: Leadership in Crisis and Catastrophe

A Math pre-requisite (3 credits) and a Stats course (taken as one of the electives) may be required

Regional accreditation granted by Middle States Commission on Higher Education (MSCHE).

For more information contact:

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Additional Information: <https://www.emse.seas.gwu.edu/graduate>
<https://www2.gwu.edu/~icdrm/>

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