HIGHER EDUCATION PROGRAM (HiEd)

NATIONAL TRAINING AND EDUCATION DIVISION • NATIONAL PREPAREDNESS DIRECTORATE

Program News *for the week ending* August 13, 2021

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Program Update

FEMA's National Training and Education Division (NTED) manages the Emergency Management Higher Education (HiEd) Program in partnership with FEMA's Emergency Management Institute (EMI) and the Center for Homeland Defense and Security (CHDS) (https://www.chds.us/c/). We serve the needs of the community, including institutions of higher education, professional organizations and practitioners who are dedicated to advancing the field of emergency management.

Symposium – Next Steps

Save The Date: 24th Annual Emergency Management Higher Education Symposium, June 6-9, 2022

Community Call

The next HiEd Community Call is Friday, August 20, 2021 from 2 - 3 p.m. ET. Link to the community call (https://fema.zoomgov.com/j/16046780270). Meeting ID: 160 4678 0270, Password: 621901. This is an informal call — all are welcome. We scheduled one or two short presentations at the beginning of the call as well as an open forum for discussion about ongoing projects and opportunities for collaboration. If you would like to be a presenter on a future call, send an email with your name, topic and a short description of your presentation to FEMA-HiEd@fema.dhs.gov.

Guest host: Dr. Kevin Kupietz, Elizabeth City State University, Assistant Professor of Emergency Management/ EM Program Coordinator, Aviation & Emergency Management at ECSU, an HCBU

Presenters:
- Amie Leigh, Director of Public Health Initiatives, Somatic Experiencing International
  - Topic: Somatic Experiencing for Emergency Management
- Terry D. Cooper, MS, MPH, CEM®, Adjunct Professor, University of New Haven
  - Topic: Student Perspectives and Academic Learning Special Interest Group (SIG)

The College List

The College List (https://training.fema.gov/hiedu/collegelist/), outlines programs at all levels of study in emergency management (EM), homeland security (HS) and related fields. HiEd staff do not provide

recommendations or discuss the relative merits of the colleges and universities listed. To maintain currency, the HiEd team removes entries that have not initiated contact or activity for two years or more. If you have a new or updated program to include, send an email to fema-emi-collegelist@fema.dhs.gov.

College list by the numbers: **744 total**
- Emergency and Disaster Management Programs in Other Countries – 26
- Emergency Management Programs – 329
- Executive Education Programs – 3
- Homeland Security Programs – 266
- International Disaster Relief/Humanitarian Assistance – 10
- Public Health, Medical and Related Programs – 31
- Related Programs – 79

Internship, Scholarship, Research and Training Opportunities

Target Launching Debt-Free Education Assistance Programs To More Than 340,000 Frontline Team Members (https://corporate.target.com/press/releases/2021/08/target-launching-debt-free-education-assistance-pr)

U.S. Department of Defense (https://www.zintellect.com/Opportunity/Details/ERDC-CHL-2021-0009) - Socio-Dynamic Modeling - Graduate Research Fellow

Special Interest Groups

Special Interest Groups (SIGs) are self-organized and self-directed for knowledge exchange on specific topics related to EM higher education. SIG members can potentially become involved in coauthoring research, mentoring students and advising practitioners. To join a SIG, contact the SIG lead (https://training.fema.gov/hiedu/specialinterest/sig.aspx). For more information, refer to the updated HiEd website SIG page (https://training.fema.gov/hiedu/specialinterest/sig.aspx).

Resources

The resources below are compiled from a variety of sources to support research or classroom use. The links are provided as a convenience. They do not constitute any endorsement or approval by FEMA or the Higher Education Program.

Evidence Aid (https://evidenceaid.org/) update for July 2021
- Two new collections: Humanitarian Impact of Climate Change (https://evidenceaid.org/evidence/humanitarian-impact-of-climate-change) and Earthquakes (https://evidenceaid.org/evidence/earthquakes/)
- COVID-19 collection (https://evidenceaid.org/evidence/coronavirus-covid-19/) includes 544 short, plain language summaries covering 860 systematic reviews. All summaries are available in English, with many available in Arabic, Chinese, French, German, Italian, Portuguese and Spanish.
- New Earthquakes collection (https://evidenceaid.org/evidence/earthquakes/) contains 41 summaries, which are being translated into French, Italian and Spanish.

- New Humanitarian Impact of Climate Change collection (https://evidenceaid.org/evidence/humanitarian-impact-of-climate-change/) contains nine summaries, which are being translated into French and Spanish.
- Several new summaries added to collections on Prevention and Treatment of Malnutrition in Humanitarian Emergencies (https://evidenceaid.org/evidence/prevention-and-treatment-of-acute-malnutrition-in-emergencies-and-humanitarian-crises/) and Health of Refugees and Asylum Seekers (https://evidenceaid.org/evidence/health-of-refugees-and-asylum-seekers/) also being translated into French and Spanish.

Fourth in a series of articles featuring HiEd Program Research Projects

Community Risk, Vulnerability, and Resilience Data Module
Tari Martin, National Alliance for Public Safety GIS Foundation

In the fall of 2020, the FEMA Higher Education (HiEd) Program funded the development of an academic module to explore the factors that may relate to community resilience. The module aimed to provide a mechanism for future emergency management professionals to practice interrogating data such as community factors and their relevance to community resilience. Materials developed were to provide background into the various applications in Emergency Management where community risk assessment data and analytics play an integral role; a high-level description of available indices and indicators; a deeper dive into FEMA's Resilience Analysis and Planning Tool (RAPT), and examples from real-world use cases by the community. The focus of the module and the recent work by National Alliance for Public Safety GIS (NAPSG) Foundation were a natural fit.

The module includes a facilitator guide, hands-on activity, (2) self-guided tutorials, and a supplemental resource guide to support further inquiry. The facilitator guide is designed to lead a discussion on how community functions, including organizational, social, and infrastructure, relate to community risk, vulnerability, and resilience. Students review community impacts from real-world disasters and learn about innovations from across the country to build resilience and tackle equity issues. Students gain insights into how indices are created and FEMA's process for identifying commonly used community resilience indicators in multiple indices. Finally, the self-guided tutorials allow students to use GIS to interrogate risk, vulnerability, and resilience data to support common emergency management workflows. In the first tutorial, students learn how communities identify their risk for hazards, explore publicly available data to support impact analysis, and practice translating that data into preparedness and mitigation strategies. In the second tutorial, students learn to use Community Resilience Indicator Analysis (CRIA) and the tools within RAPT to develop targeted communication strategies informed by the characteristics of a community.

We know that while different populations may be at risk to the same negative effects of disasters, "their actual vulnerability is dependent on their socio-economic conditions, civic and social empowerment, and access to mitigation and relief resources" (United Nations, 2016). Indices and tools such as GIS, can aid state, local, tribal and territorial (SLTT) governments in developing data-driven science-based approaches to inform plans and policies that build community resilience, focusing on the most vulnerable. Furthermore, as data and tools become more readily available to support the practitioner community, resources that enable the intended audience to leverage them as appropriate and with ease will aid in their efficient and proper use.

The New Yorker
There's an Earthquake Coming! (https://www.newyorker.com/tech/annals-of-technology/theres-an-earthquake-coming)
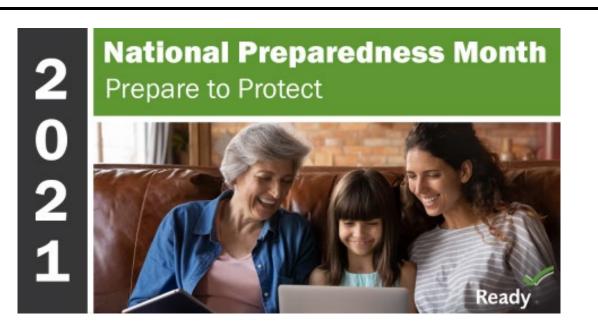
Inside Higher Ed
State Higher Ed Funding Looks Positive (https://www.insidehighered.com/news/2021/08/10/after-year-cuts-state-funding-looks-positive-fiscal-2022?utm_source=Inside+Higher+Ed&utm_campaign=6b61fd0ac6-DNU_2021_COPY_03&utm_medium=email&utm_term=0_1fcbc04421-6b61fd0ac6-236278225&mc_cid=6b61fd0ac6&mc_eid=c9c56ba600)

FEMA
Be Weather Wise: NOAA Released 2021 Atlantic Hurricane Midseason Update (https://usfema.sharepoint.com/teams/Connect/News/SitePages/Be-Weather-Wise--NOAA-Released-2021-Atlantic-Hurricane-Mid-Season-Update.aspx)

National Preparedness Month is an observance each September to raise awareness about the importance of preparing for disasters and emergencies that could happen at any time. The 2021 theme is **"Prepare to Protect. Preparing for disasters is protecting everyone you love."**

For more information and weekly themes (https://www.ready.gov/september).

Calendar

FEMA Seeks Public Feedback on National Qualification System (NQS), Radiological Emergency Preparedness Program (REPP) Incident/Exercise Evaluator Position. To provide comments on the drafts, complete the feedback form(s) and submit them to FEMA-NIMS@fema.dhs.gov **no later than 5 p.m. ET on August 26.**

Call for Papers Special Edition: *Climate Security −The Homeland Adapts.* The *Journal of Security, Intelligence, and Resilience Education* (JSIRE) is publishing a Special Edition, *Climate Change −The Homeland Adapts.* Deadline: Tuesday, September 1, 2021. For more information (https://jsire.org/call-for-papers-special-edition-climate-security-%e2%88%92-the-homeland-adapts/).

Attend FEMA's Emergency Management Institute (EMI) Local Delivery and other Training at the 2021 Annual IAEM Conference in Grand Rapids, MI, October 15-22, 2021. Click here to learn more about attending the 2021 IAEM Conference (https://www.iaem.org/usconf).
Maximize your educational training by adding pre-conference training sessions.

- L0102 Science of Disasters Oct. 15-17, 2021, 8 a.m. - 5 p.m.
- L0146 Homeland Security Exercise and Evaluation Program (HSEEP) Oct. 16-17, 2021, 8 a.m. - 5 p.m.
- L0191 EOC/ICS Interface Oct. 16, 2021 8 a.m. - 5 p.m. and Oct. 17, 2021, 8 a.m. - 5 p.m.
- L0318 Local Hazard Mitigation Planning Oct. 16-17, 2021, 8 a.m. - 5 p.m.

Additional information on each of these course offerings can be found in the course catalog (https://www.firstrespondertraining.gov/frts/npccatalog?catalog=EMI). To register for one of the EMI or other training classes visit the IAEM Conference website (https://www.iaem.org/usconf). For questions contact jhusk@iaem.com.

Employment Opportunities

Federal vacancies are posted on USAJOBS (https://www.usajobs.gov). When you save a search, they will automatically send email updates with new jobs that match the criteria.

Higher Education Vacancies:

- University of Denver - Associate or Full Professor, Environmental Sustainability (https://jobs.du.edu/cw/en-us/job/493999/associate-or-full-professor-environmental-sustainability-josef-korbel-school-of-international-studies)
- CA Department of Water Resources - Senior Environmental Scientist (Specialist) (https://www.jobs.ca.gov/CalHrPublic/Jobs/JobPosting.aspx?JobControlId=258373)
- Drexel University - Assistant Professor of Sociology/Global Climate Change Research Focus (https://careers.drexel.edu/en-us/job/496294/assistant-professor-sociology)
- University of California, San Diego - Associate Professor (Ladder/In-Residence) Epidemiology (https://apol-recruit.ucsd.edu/JPF02705)
- University of Cincinnati - Assistant/Associate Professor Position in Epidemiology (Tenure-Track) (https://jobs.uc.edu/job/Cincinnati-Assistant-Professor%2C-Industrial-Hygiene-OH-45201/728488900/)

- [Alcorn State University](https://jobopps.alcorn.edu/postings/5070) - Adjunct Instructor - Criminal Justice (https://jobopps.alcorn.edu/postings/5070)
- [Ball State University](https://bsu.peopleadmin.com/postings/26243) - Assistant Professor of Criminal Justice (https://bsu.peopleadmin.com/postings/26243)
- [Dean College](https://dean.interviewexchange.com) - Adjunct Faculty - Emergency Management Planning (https://dean.interviewexchange.com/jobofferdetails.jsp;jsessionid=BBFCB5164CE3CC9C70D0980D8891F4CF?JOBID=134147&jobboard=148)
- [Virginia Commonwealth University](https://www.vcujobs.com/postings/107682) - Adjunct Pool: (HSEP) Homeland Security & Emergency Preparedness (https://www.vcujobs.com/postings/107682)
- [Monroe Community College](https://monroecc.interviewexchange.com) - Adjunct Faculty, Homeland Security (https://monroecc.interviewexchange.com/jobofferdetails.jsp;jsessionid=A962ACC6AEE0B337C4D8324253AEA644?JOBID=133502&jobboard=148)
- [University of Colorado, Colorado Springs](https://cu.taleo.net/careersection/2/jobdetail.ftl?job=21391&source=JB-100620) - Assistant or Associate Professor - Cybersecurity Management (https://cu.taleo.net/careersection/2/jobdetail.ftl?job=21391&source=JB-100620)
- [Salem State University](https://careers-salemstate.icims.com) - Faculty, Criminal Justice (Cybersecurity), Full-Time, Tenure-Track (https://careers-salemstate.icims.com/jobs/2485/faculty%2c-criminal-justice-%28cybersecurity%29%2c-full-time%2c-tenure-track%2c-fall-2022/job?mobile=false&width=784&height=500&bga=true&needsRedirect=false&jan1offset=-300&jun1offset=-240)
- [College of Western Idaho](https://careersmanager.pageuppeople.com/1005/cw/en-us/job/493410?lApplicationSubSourceID=11250) - Faculty - Adjunct, Geographic Information Systems (https://careersmanager.pageuppeople.com/1005/cw/en-us/job/493410?lApplicationSubSourceID=11250)

FEMA and the HiEd Program do not endorse any non-government websites, companies or applications

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FEMA's mission is helping people before, during, and after disasters.

Download the **FEMA App** *(URL: https://www.fema.gov/mobile-app) to receive weather alerts from the NWS for up to five different locations anywhere in the U.S.*