Paradigms for Cybersecurity Education in a Homeland Security Program

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Abstract/Description
Cybersecurity threats to the nation are growing in intensity, frequency, and severity and are a very real threat to the security of the country. Academia has responded to a wide variety of homeland security (HS) threats to the nation by creating formal curricula in the field, although these programs almost exclusively focus on physical threats (e.g., terrorist attacks, and natural and man-made disasters), law and policy and transportation.

Although cybersecurity programs are commonly available in U.S. colleges and universities, they are invariably offered as a technical course of study nested within engineering (or other STEM) programs. We observe that technical and calculus-based courses might not be well suited to HS students and do not necessarily meet a broad suite of professional needs in this discipline. As a result, cybersecurity principles, and strategies tend to be under-represented in the typical HS program. This paper proposes paradigms that could be included in a cybersecurity curriculum that are consistent with the broad array of outcomes now evident in many HS degree programs.

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The Cyber Security Course for Beginners - Level 01 could also be advantageous to take, not only for cybersecurity enthusiasts but for anyone who want to learn more about the subject.
However, Udemy's real selling point is that not only does it offer some very in-depth courses, many of these courses can be bought on offer for less than $20, making them extremely cost-effective. In terms of cybersecurity the OU is a little lacking in a specialized course in this - however, they do offer a flexible honors degree in Computing and IT where you can choose to focus in different areas, all of which will show a concern for security issues. The OU also offers a dedicated degree in Data Science. Paradigms for cybersecurity 650 education in a homeland security program. Jan 2013. 35-44. One group, consisting of 382 respondents, represented homeland security leaders and administrators graduating from the master of arts program at the Naval Postgraduate School. The second group consisted of faculty teaching in that graduate program. The third group was a subject matter expert panel of national leaders in homeland security. Surveys were conducted across these groups, asking that they score the importance of objectives and capabilities associated with the multitude of disciplines comprising homeland security. Learn about homeland security training programs and online learning options. Introduction to Online Homeland Security Degrees Popular Online Homeland Security Programs Online Associate Degree Online Bachelor's Degree Online Graduate Degrees How to Evaluate Online Homeland Security Programs Interview with a Homeland Security Professional. Public and private security schools, colleges and universities across the nation offer online homeland security degree programs for first-time candidates and for law enforcement professionals seeking advanced credentials in the field. Students looking for online learning options can find a variety of options at the undergraduate a Homeland Security degrees are reported by the National Center for Education Statistics under the category of Homeland security, law enforcement, firefighting and related protective services. In fact, in the most recent update of the data (2013), across the U.S, there were 1,440 Homeland Security degrees awarded to graduate students. Cybersecurity programs covering homeland security may be "designated" centers of academic excellence. This reflects a joint effort by two federal agencies. The National Security Agency (NSA) and the Department of Homeland Security (DHS).