

**Course Title: Cybersecurity and Education – An Imperative for National Security**

**Abstract:** The demand for highly qualified cybersecurity professionals is skyrocketing, with some experts predicting a global shortage of over three million cybersecurity professionals. Initially, the military served as the primary training ground for cyber qualified and experienced professionals, but if supply is to catch up to demand in this highly technical field, dedicated academic programs must be made available at every level of American education.

This includes co-curricular cyber related activities, academic programs ranging from kindergarten to graduate school, and even national level campaigns designed to educate and elevate cybersecurity awareness. Some examples include programs such as CyberPatriot (high school and middle school students) and National Collegiate Cyber Defense Competitions (college and university students) that field competitive teams to earn points by effectively managing and defending the network of a small company. The challenges of establishing degree programs at the undergraduate and graduate levels will be addressed, along with the importance of partnerships with government, business and industry.

The presentation will cover cyber threats at all echelons, and offer long needed educational solutions that can help close the workforce talent gap, while reducing our vulnerability at the personal, professional and national level.

**Organization:** McKendree University

**Website:** <https://www.mckendree.edu/>



**Instructor:** Daryl R. Hancock, Captain, US Navy (Retired)

Hancock is Chief of Staff, and Executive Director of McKendree Worldwide, which includes responsibility for their online programs, Kentucky Campuses and the Center at Scott Air Force Base. Leveraging his experience in the military, he promotes and assists with a number of cyber and intelligence related programs, outreach and regional partnerships, to include McKendree’s Cyber Academy, Competitive Cyber Defense Team, campus active learning centers in Illinois and Kentucky and the new 21<sup>st</sup> Century multipurpose learning space call *theHub*, that combines cutting edge technology and collaboration tools into an active learning environment.

A retired naval officer, Hancock initially served as a Surface Warfare Officer before transferring into intelligence. As an intelligence officer, he served afloat & ashore as the senior intelligence officer and with the Flag Staffs aboard USS Wasp, USS George Washington and USS Bonhomme Richard. He supported stabilization and combat operations in Iraq, Balkans and Haiti, tsunami relief operations in Indonesia, and counter-piracy operations off Somalia. He held senior leadership roles in Washington, with the Office of Naval Intelligence, Navy Staff, and within the Intelligence Community and NATO. He was the Director of Intelligence and Commander of the Joint Intelligence and Operations Center at U.S. Transportation Command, and the first Director of Intelligence for Tenth Fleet and Fleet Cyber Command.

He holds graduate degrees from the Naval War College and Purdue University. He is a Senior Executive Fellow from Harvard’s John F. Kennedy School of Government, and his undergraduate degree is from the University of Illinois, Champaign-Urbana, where he is currently enrolled as a doctoral student.

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