



University of Maryland University College

# UMUC's Graduate Cybersecurity Programs

FISSEA 2010 Workshop: Connecting the Dots –  
Harmonizing Current Cybersecurity Workforce Efforts

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# University of Maryland University College (UMUC)

- Part of the University System of Maryland
- Over 86,000 students worldwide
- Oriented towards the adult learner
- Classes in the evening, on weekends, and online
- Center of Excellence in Information Assurance Education



# UMUC's Mission

- Offer workforce-related programs
- Relevant to current needs in the marketplace
- Serve an adult student body



# Environmental Scan revealed “A Human Capital Crisis in Cybersecurity”

- White Paper of the CSIS Commission on Cybersecurity for the 44<sup>th</sup> Presidency
  - “There are about 1000 qualified, but we need 10,000 to 30,000.”
- NSA/Cyber Command chief General Keith Alexander said: “If you were to ask me, what is the biggest challenge that we currently face? It’s generating the people that we need to do this mission.”



# Other Facts

- US Cyber Command readiness delayed for lack of personnel
- Consultations with outside groups, “We’ll hire all your graduates.”

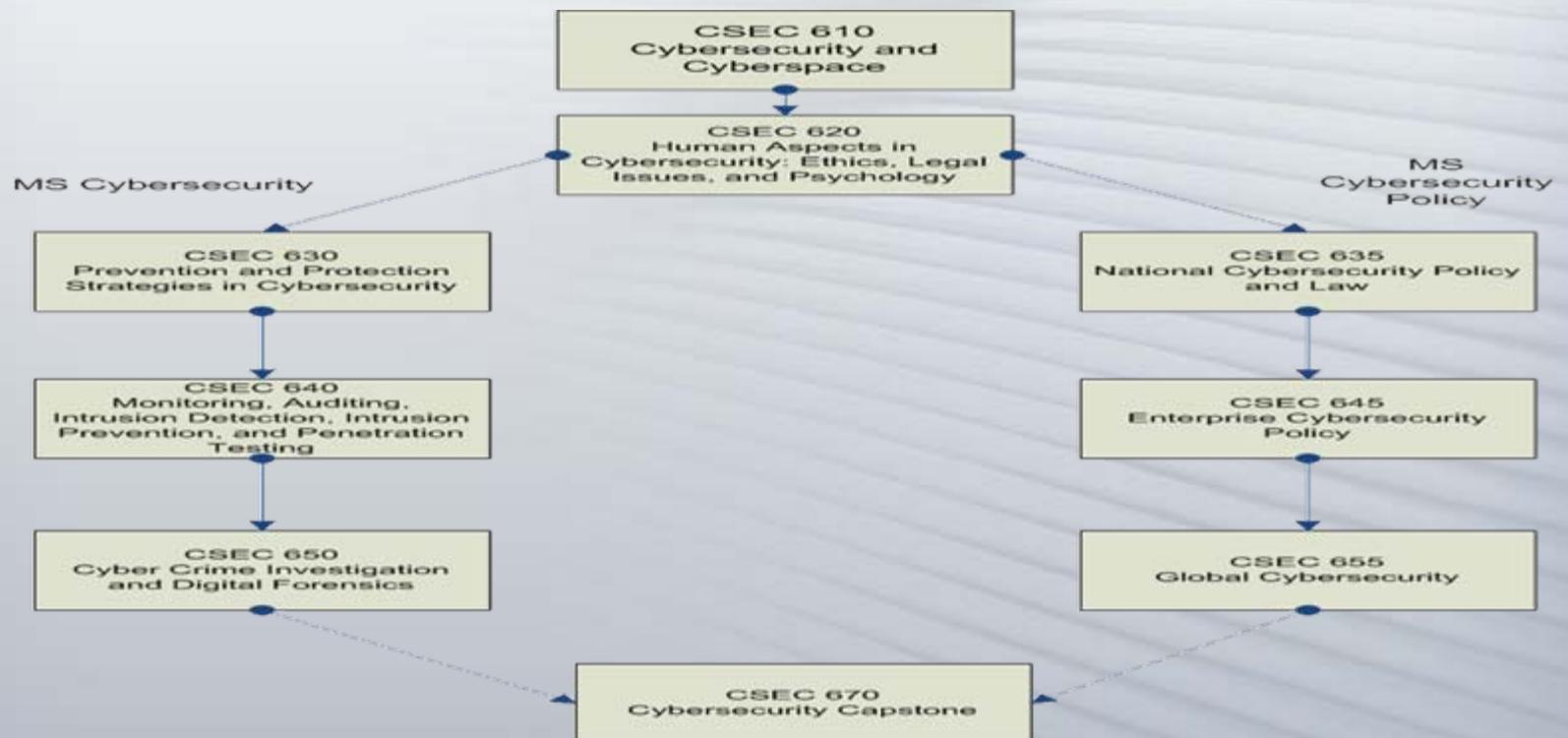


# New Programs

- BS in Cybersecurity
- MS in Cybersecurity
- MS in Cybersecurity Policy
- Launched Fall 2010



# Format of Graduate Degrees – 36 credits



# Curriculum Development and Validation

- Program vision - “Think Tank” of prominent persons involved in cybersecurity
- Curriculum design - Scholarly review of draft curriculum
- Course design - Practitioner’s review of course syllabi



# The Response

- Over 550 new students this fall
- Should surpass 1000 by the spring
- The demand is there

