Alpha Draft – "Cyber Sciences" Program Criteria

PROGRAM CRITERIA FOR CYBER SCIENCES
AND SIMILARLY NAMED COMPUTING PROGRAMS

Lead Society: CSAB

These program criteria apply to computing programs using computer security, cyber operations, cyber security, information assurance, information security, or similar terms in their titles.

3. Student Outcomes

The student outcomes for cyber sciences programs must include outcomes (6) and (7).

(6) An ability to apply security principles and practices to design and implement computing systems with consideration of the physical, software, and human aspects of the computing system.

(7) An ability to analyze and evaluate cyber systems with respect to security and maintaining operations.

5. Curriculum

Students must have course work or an equivalent educational experience as specified below:

a. Cyber sciences: One and one-third years that includes fundamentals and application of:
   1. Cyber defense and digital forensics.
   2. A variety of computing systems and tools appropriate to cyber sciences.
   3. Cyber ethics, policy, governance, law, and risk management.

b. Behavioral Science: Material that develops an understanding of human behavior relating to cyber systems and operations, including social engineering, social networks, user experience, and organizational behavior.

6. Faculty

Some full-time faculty members, including those responsible for the cyber sciences curriculum development, must hold a terminal degree with a program of study in cyber sciences or a closely related field.