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ABET

PROGRAM CRITERIA FOR INFORMATION TECHNOLOGY AND SIMILARLY NAMED COMPUTING PROGRAMS

Lead Society: CSAB

Approved July 20, 2019 for Public Review and Comment

These program criteria apply to computing programs using information technology or similar terms in their titles.

3. Student Outcomes
In addition to outcomes 1 through 5, graduates of the program will also have an ability to:
>   6. Use systemic approaches to select, develop, apply, integrate, and administer secure computing technologies to accomplish user goals. [IT]

5. Curriculum
The curriculum requirements specify topics, but do not prescribe specific courses. These requirements are:

A. Information Technology: At least 45 semester credit hours (or equivalent) of course work that must include:
>   1. Fundamentals and applied practice in:
>   a) information management.
>   b) integrated systems.
>   c) platform technologies.
>   d) system paradigms.
>   e) user experience design.
>   f) networking.
>   g) software development and management.
>   h) web and mobile systems.
>   2. Advanced and supplemental IT topics that build on fundamentals and applied practice to provide depth.
>   3. Experiential learning appropriate to the program.
>   4. Principles and practices of IT project management.

B. Mathematics: At least six semester credit hours (or equivalent) that must include discrete mathematics, along with other appropriate mathematical topics.