

PROGRAM CRITERIA FOR
INFORMATION TECHNOLOGY
AND SIMILARLY NAMED COMPUTING PROGRAMS
Lead Society: CSAB

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

3. Program Outcomes

The program enables students to achieve, by the time of graduation:

- (j) An ability to use and apply current technical concepts and practices in the core information technologies. [IT]
- (k) An ability to identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems. [IT]
- (l) An ability to effectively integrate IT-based solutions into the user environment. [IT]
- (m) An understanding of best practices and standards and their application. [IT]
- (n) An ability to assist in the creation of an effective project plan. [IT]

5. Curriculum

Students have course work or an equivalent educational experience that includes:

- a. Coverage of the fundamentals of
 - 1. the core information technologies of human computer interaction, information management, programming, networking, web systems and technologies. [IT]
 - 2. information assurance and security. [IT]
 - 3. system administration and maintenance. [IT]
 - 4. system integration and architecture. [IT]
- b. Advanced course work that builds on the fundamental course work to provide depth. [IT]