Curricular Projects & Reports of the ACM

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Two-Year College Education Committee
Computing Curriculum 2005:
Guidelines for Associate-Degree Transfer Curriculum in
Software Engineering
To Be Finalized September 2005.
Collaborative effort with the ACM and IEEE-CS
Joint Task Force on Computing Curricula, Software Engineering (CCSE).
Contains curricula recommendations for:

- Associate-degree Granting Institutions
  in the United States of America
- Community Colleges in Canada

Guidelines for Associate-Degree Programs in
Information Systems
Contains career and transfer curricula recommendations:

- Program Considerations
- Body of Knowledge
Guidelines for Associate-Degree Programs in Computer Science

Finalized December 2002 in collaboration with IEEE-CS.
Contains curricula recommendations for three (3) teaching paradigms:

1) Objects-First
2) Imperative-First
3) Breadth-First

Guidelines for Associate-Degree Programs to Support Computing in a Networked Environment

Finalized March 2000.
Contains content areas, goals and topics for three (3) curricula:

1) User Support Services
2) Networking Services
3) Internet/ Web Services
Cybersecurity Education

Started 2002 in collaboration with the National Science Foundation (NSF) and the American Association of Community Colleges (AACC).

Workshop report by NSF and AACC:
Protecting Information: The Role of Community Colleges in Cybersecurity Education

White paper by R D Campbell and E K Hawthorne:
Cybersecurity Education in Community Colleges Across America: A Survey of Present and Planned Implementations

Dissemination of key findings and recommendations from the workshop:

- Role of certification & skill standards
- Establishment and maintenance of cybersecurity programs at two-year colleges
- Specification of topics, courses, curricula, and programs