

# 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

- ✚ Finalized January 2004.
- ✚ 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**

