

**ANNUAL REPORT**  
**of the**  
**ACM TWO-YEAR COLLEGE EDUCATION COMMITTEE**  
**for the period**  
**July 1, 2008 - June 30, 2009**

Dr. Elizabeth K. Hawthorne provides the following report on the activities of the Two-Year College Education Committee (TYCEC):

**MEMBERSHIP:**

<b>Name</b>	<b>Committee Position</b>	<b>Title</b>	<b>Affiliation</b>	<b>Email Address</b>
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**PURPOSE:**

The Two-Year College Education Committee is a standing committee (since October, 1991) of the ACM Education Board. The Committee is concerned with all education issues that affect computing at two-year colleges and in two-year degree programs. The primary purpose of the Committee is to provide curriculum recommendations in all areas of computing for such degree programs. The Committee may also make recommendations on other educational matters affecting such programs.

**The TYCEC achieved the following milestones in FY09 (July 1, 2008 – June 30, 2009):**

- In June/July 2008 presented poster session and participated in the ITiCSE conference, Madrid, Spain.
- in July 2008 participated in the NSF-funded SAME-TEC 2008 Seamless Connections convention.
- in October 2008 presented a poster and participated in the annual SIGITE conference to continue research and collaboration efforts toward crafting associate-degree transfer guidelines in Information Technology.
- in January 2009 concluded the project of updating the *Guidelines for Associate-degree Transfer Curriculum in Computer Science* and posted on committee website – acmtyc.org.
- in February 2009 received formal award notice from NSF to conduct a *Strategic Summit on the Computing Education Challenges facing Community Colleges*; completed substantial planning and organization activities; organized and conducted first meeting of Advisory Committee; finalized and secured contract with host hotel; established ACM as fiscal agent.
- in June 2009 met with select members of the two-year writing group of SIGITE to work on associate-degree IT transfer guidelines.
- in June 2009 participated in CISSE, Colloquium for Information Systems Security Education (attendance funded by NSF).

- in June 2009 participated in the Alice Symposium at Duke University (attendance funded by NSF)
- contributed to the efforts of the CSTA by providing feedback on proposed learning outcomes for the K-12 computer science curriculum and participated in the South Jersey chapter meetings.
- designed initial version of CAP Space, an interactive repository of associate-level curricula, assessment and pedagogy. (Note: this effort encompasses previously stated activities to 1) initiate a major undertaking to craft *associate-degree career guidelines in computing*; and 2) conclude *associate-degree transfer guidelines in computing* that will eventually include CS, CE, SE, IS and IT.)
- secured Ed Board funding to implement committee's initial design of CAP Space using Web 2.0 technologies. Website is currently in the beta stage of development and testing.
- furthered the internationalization of its work by presenting a poster and participating in the Information Assurance Education working group at the ITiCSE conference in Paris, France (July 2009).
- continued to inform constituents of its activities via the regular column in the SIGCSE Inroads publication, *Community College Corner*.
- requested (and was granted) two-year college representation on the ACM Education Policy Committee (EPC).
- supported the goals and objectives of the ACM Education Council through a variety of synergistic activities.

**and plans to pursue the following activities in FY10 (July 1, 2009 – June 30, 2010):**

- conduct our NSF-funded grant, *Strategic Summit on the Computing Education Challenges facing Community Colleges*, as well as produce the proceedings and disseminate the findings.
- complete initial release of CAP Space and through feedback develop specifications for next phase.
- continue collaboration efforts with the two-year writing group of SIGITE.
- present a poster session and participate in the annual SIGITE conference (October 2009).
- present a poster session and participate in the northeast regional Consortium for Computing Sciences in Colleges (CCSC) conference (October 2009).
- participate in AACC's ATE PI conference, *Technicians in the Green Economy* (October 2009).
- present a special session at the annual SIGCSE conference (March 2010).
- present at the September 2009 ACM Education Council in Vancouver, BC.
- identify a replacement for retiring committee member Karl Klee (first TYCEC chair).
- secure Ed Board approval on revised committee charter: "*As a standing committee of the ACM Education Board, the Two-Year College Education Committee is charged with and responsible for ACM-endorsed curricula, assessment and pedagogy specific to associate-degree granting institutions worldwide. The Committee promotes the scholarship of teaching and learning in a variety of computing education communities.*"
- continue its dissemination and outreach activities, including mailings, website enhancements, conference sessions and exchanges with colleagues, as well as continuing our SIGCSE Inroads column and participating with the ACM Education Council.