

# Curricular Projects of the ACM Two-Year College Education Committee

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## Abstract

This poster presentation showcases the curricular guidelines developed by the Two-Year College Education Committee (TYCEC), a standing committee of the ACM Education Board.

## Categories and Subject Descriptors:

K.3.2 [Computers and Education] Computer and Information Science Education – *Curriculum*.

## General Terms:

Standardization.

## Keywords:

Curriculum Guidelines.

## INTRODUCTION

Over the past decade, the ACM TYCEC has authored several curricular guidelines for the two-year college education arena in all aspects of computing – Computer Science, Computer Information Systems, Computer Technology, and Information Technology. These guidelines are international in scope and are meaningful to two-year and technical colleges worldwide.

The ACM TYCEC just completed a set of guidelines for a transfer curriculum in Software Engineering. The ACM/IEEE-CS four-year SE2004 report was used as a starting point. Copies of this report will be available during the poster session.

In 2004, the Committee published: *Guidelines for Associate-Degree Programs in Information Systems*. This report provides a framework for the development, support, and updating of associate-degree programs in the computing discipline of Information Systems. These guidelines will assist colleges in educating potential Information Systems workers with technical computing competencies, as well as necessary workplace skills.

In 2002, the Committee published: *Guidelines for Associate-Degree Programs in Computer Science*. This report provides guidelines for Computer Science programs in associate-degree granting institutions. A principle focus is placed on programs designed for students intending to transfer into baccalaureate programs, accompanied by deliberate guidelines designed to facilitate matters of articulation.

In 2000, the Committee published: *Guidelines for Associate-Degree Programs to Support Computing in a Networked Environment*. This report provides guidance to colleges who are developing associate degree programs in Information Technology. Such programs will produce workers who are productive, competent, able to work independently, and who can manage time effectively in entry-level positions that span a wide range of computing environments requiring support personnel.

These new curricular guidelines are updates to the four-volume set of *Computing Curricula Guidelines For Associate-Degree Programs* published by ACM in 1993. All curriculum guidelines for associate-degree programs developed by the ACM TYCEC are available online at [www.acmtyc.org](http://www.acmtyc.org).