

962-97-997

**Mary Ann Hovis\*** (hovisma@ltc.tec.oh.us), Lima Technical College, 4240 Campus Drive, Lima, OH 45804-3597, **John C Peterson** (jpeterson@cstcc.cc.tn.us), Chattanooga State Technical Community College, 4501 Annicola Highway, Chattanooga, TN 37406-1097, and **Robert L Kimball** (rkimball@gmail.wake.tec.nc.us), Wake Technical Community College, 9101 Fayetteville Road, Raleigh, NC 27603-5696. *Technical Mathematics for Tomorrow: Recommendations and Exemplary Programs*. Preliminary report.

The role and nature of mathematics needed for advanced technology programs are analyzed, successful models are recognized, and recommendations for mathematics content are developed. Project objectives are to identify issues and make recommendations concerning the nature and role the mathematics needed in the larger context of science, technology, and engineering technology programs; select and recognize up to ten exemplary programs; promote and disseminate the recommendations and exemplary programs; collaborate with other organizations to facilitate curriculum changes. Two regional (CRAFTY) workshops were held October 2000. Participants addressed the mathematical content students must “master” during the first two years in order to complete their AAS program, enter the job market, advance up the career ladder, continue their education. Workshop reports will be used to develop criteria for selecting exemplary programs that include the mathematics needed for advanced technology programs. A national conference in Fall 2001 will promote dialogue on mathematics needed for advanced technology programs, develop recommendations, showcase the exemplary programs. Following the national conference, a report will describe exemplary programs and present recommendations. (Received September 30, 2000)