I. Past Year Activity

- Progress in Meeting Annual Goals.

Goal: Review undergraduate curriculum with emphasis on introducing STEM activities into the program.

Progress – the undergraduate curriculum has been realigned to include the restructuring of lecture/laboratory courses. Extensive review was conducted and several courses were changed from 3 semester hours to 4 semester hours for students.

Curriculum revisions were made to accommodate balancing of student credits and faculty loading. The program revision was approved by the appropriate university committees and will become active during the Fall 2013 semester.

TE 218 Electrical Applications for STEM has been ADDED to the program. The course has been approved by the appropriate university committees and is scheduled for the Fall 2013 semester.

Goal: Review and Revise Graduate Program in Technology Education.

Progress – the graduate program has been totally revised. A NEW degree program is in the process of being approved by the BOR. The MS in STEM Education for Teachers has been approved by all university committees and is awaiting final approval from the appropriate state offices and the BOR. The degree is the result of a cooperative effort on the part of the Technology & Engineering Education department faculty and the Science and Math Education faculty.

The final approval of this new degree program will result in the collapsing of the MS in Technology Education and the MS in Science Education.

- Progress with Strategic Planning. Department strategic planning has been added to departmental goals for the next academic year.

- Administrative Changes. No significant changes in staffing or budgetary matters have been made.

- Special Initiatives. The department sponsored a state-wide conference entitled “STEM – What’s Next” on the CCSU campus. The conference was attended by math, science and technology education teachers and school administrators with presentations featuring current STEM practices in Connecticut.
E. Significant Accomplishments.

- Revision of undergraduate program to reflect STEM initiatives.
- Addition of NEW graduate degree program in STEM Education for Teachers.
- Collaborative activities with CT State Department of Education – Consultants in Science, Math and Technology & Engineering Education to offer STEM conference for teachers on CCSU Campus.
- Hosted 1st LEGO state wide robotics competition for 500 school students from throughout Connecticut.
- Program students participated in “Night at the Museum” activities in conjunction with New Britain Museum of American Arts and CCSU.
- Program students participated in rebuilding wheel chairs for “Chariots of Hope” charitable organization that provides wheel chairs to needy individuals throughout the country.
- Program students entered Human Powered Vehicle Competition in Michigan with vehicle build in labs.
- Program students and faculty sponsored the “Electrathon” electric vehicle competition held at Limerock Race track for 16 high schools from Connecticut, Massachusetts and New York.

G. Assessment.

- Continue participation in University and School of Education & Professional Studies assessment activities including:
  - Posting of ‘Dispositions’ on each student in each professional class.
  - Monitor pass rate on PRAXIS II Subjects Area TEST for Technology & Engineering Education. Current pass rate 98%.
  - Previous assessment report submitted Academic Assessment Committee – no additional required this current year.

II. Planning for 2013 – 2014

A. Goals.

- Monitor introduction of revised undergraduate program
- Monitor introduction of NEW Graduate Program
- Hold Advisory Committee meeting to update progress.
- Develop recruitment program for high school students.
- Develop recruitment program for certified teachers to become cross-endorsed in Technology & Engineering Education.
- Explore offering a ARC (alternate route to certification) program for shortage area of Technology & Engineering Education.
B. **Collaboration.**

- Continue collaborative work with Science and Math Education faculty to build STEM related courses.
- Partner with elementary education department to begin introduction of STEM related activities into the pre-service teacher education program.

C. **Needs.**

Continued administrative support in efforts to recruit additional students to the program at the undergraduate and graduate levels.

Continued administrative support to maintain the budget necessary to maintain a high level professional program.