1   Program Educational Objectives

The specific objectives of the Manufacturing Engineering (MfgE) program, as adopted by

(note: IAC = Industrial Advisory Council and CAC = Curriculum and Assessment Committee). This evaluation process (steps 2 through 4) is formally repeated every year. Program assessment of whether outcomes are being achieved is performed to ensure that:

♦ objectives are realistic/appropriate and meet ABET guidelines.
♦ any change in university mission is reflected in program objectives.
♦ constituencies are able to affect the process.

Program Outcomes

To ensure achievement of Program Objectives, certain outcomes are observed as attributes of program graduates. The desired outcomes that are listed below were developed by the faculty and ratified/modified by the IAC and student body. All the three constituencies are in agreement that achievement of these outcomes should lead to the fulfillment of the objectives of the program. In developing program outcomes, we have been guided by the following explanation of the term provided by ABET: "Outcomes are statements that describe what students are expected to know and are able to do $y\imath$ $\imath$ d $\imath$ n." (our emphasis with italics).

Following is the list of B.S.Mfg.E. $\imath$ selected as attributes of its graduates:

a. Graduates will have knowledge in the core manufacturing engineering areas (probability and statistics, manufacturing methods and materials, manufacturing measurement analysis, and manufacturing systems).
b. Graduates will have knowledge in broad areas of manufacturing engineering beyond the core areas.
c. Graduates will have proficiency in developing solutions to problems involving manufacturing processes and manufacturing systems design.
d. Some of the graduates will have specialized knowledge in selected areas.
e. Graduates will have the ability to communicate effectively.
f. Graduates will have the ability to function in teams.
g.ore areas.
c. Graee