DIRECTED ELECTIVES

BME students must complete 4 credits of Directed Electives as part of their undergraduate program. These courses are generally lower-division (1000- to 2000-level) courses that support a student's academic goals. The Undergraduate Program Committee periodically reviews this list to identify appropriate courses. If students believe that a course not on the list would meet this objective, they may propose this to the Undergraduate Program Committee for review at least <u>two months</u> before the start of the semester in which the student wishes to take the course.

In order to satisfy ABET requirements for the engineering portion of the curriculum, the combination of 16 credits of Directed Electives and Concentration Electives must include <u>at least</u> 6 credits of engineering courses. In general, courses offered by the College of Engineering can be considered to satisfy this requirement.

<u>Approved Directed Electives</u>

CHM 2220/2230 (5 cr) – Organic Chemistry II + Lab
CHE 2800 (4 cr) – Material and Energy Balances
CSC 1050* (2 cr) – Intro to Unix and C++
CSC 1100/1101 (4 cr) – Problem Solving
CSC 2000* (3 cr) – Intro to C++
ECE 2610 (4 cr) – Digital Logic I
EET 2720 (3 cr) – Microprocessor Fundamentals
ME 2050 (2 cr) – Introduction to Computer Aided Mechanical Drafting
MIT 3350 (3 cr) – Applied Human Factors
MIT 3500 (1 cr) – Machine Tool Laboratory

NOTE 1: Any course on the Concentration Elective list can also be selected as a Directed Elective (but not vice versa).

NOTE 2: *Basic programming language courses (e.g. CSC 1050 and CSC 2000) do not count as engineering credits. Computer science applied to problem solving (e.g. CSC 1100/1101) can be counted as engineering credits.