Name _____EMPLID_____ Year of Study_____ Expected Graduation Date _____

Materials Science and Engineering Area of Concentration Form

Students must complete both sections of this concentration form by the end of their junior year of study.
If you change your concentration, a new form must be submitted immediately.

To complete the technical electives requirement for the Bachelor of Science degree, MSE majors choose an area of concentration. If you are not taking all of the courses listed below under a pre-approved concentration, you and your advisor may create an original specialization. *At least two of the five electives must be 300-level Materials Science and Engineering courses. The rest are usually in the sciences, engineering, or math. No more than two of the remaining may be 200-level courses. Only one may be a 399. No MSE- and only one non-MSE course may be taken pass/fail.*

I. Please check the concentration you expect to follow.

_____ **Biomaterials**
Mat_Sci 333, 370, 395 (Soft Materials); Bmd_Eng 343, 371

_____**Design and Manufacturing**
Mech Eng 317,359, Mat_Sci 318, Mf Eng 398 and Mat_Sci 335 or 340 or 355

_____ **Electronic Materials**
ECE 250, Mat_Sci 322, 355, 362; Physics 335

_____ **Metals & Ceramics**
Mat_Sci 322, 333, 340, 341, 362

_____**Nanomaterials**
Mat_Sci 355, 360, 376; Mech_Eng 381, 385

_____ **Polymeric Materials**
Mat_Sci 333, 335; Chem_Eng 361; Chem 210-1, 342-2, 342-3

_____**Surface Science**
Mat_Sci 322, 355, 362, 380; Physics 335

_____ **Other: _____**
(To be developed by the student and advisor.)

II. Please list the courses that create the concentration and the terms in which they have been or will be taken:

Catalog #	Course title	Term	Catalog #	Course title	Term

Student's Signature _____ Date _____

Adviser's Signature _____ Date _____

Associate Chair's Signature _____ Date _____

Please return to the Materials Science Office, Cook 2036.

10/17/2003