UNIVERSITY OF WASHINGTON

OFFICE OF THE PRESIDENT

Mark A. Emmert, President

June 17, 2005

Acting Dean Mani Soma
College of Engineering
Box 352180

Dear Mani:

Based on the recommendation of its Subcommittee on Admissions and Programs, the Faculty Council on Academic Standards has recommended approval of the revised requirements for a minor in Materials Science and Engineering. A copy of the changes is attached.

I am writing to inform you that the Department of Materials Science and Engineering is authorized to specify these requirements beginning autumn quarter 2005.

The new requirements should be incorporated in printed statements and in individual department websites as soon as possible. The *General Catalog* website will be updated accordingly by the Registrar's Office.

Sincerely yours,

Mark A. Emmert
President

Enclosure

cc: Dr. Rajendra K. Bordia (with enclosure)
Enrollment Services c/o Diane Hanks (with enclosure)
Mr. Robert Corbett (with enclosure)
Dr. Deborah Wiegand (with enclosure) MSE-042005

301 Gerberding Hall • Box 351230 • Seattle, Washington 98195-1230 • 206-543-5010 • FAX: 206-616-1784

MSE – 042005

Creating & Changing Undergraduate Academic Programs

College: _Engineering___ Department or Unit: Materials Science and Engineering
Date: 4/20/05_____

New Programs

☐ Leading to a Bachelor of _____ *in* _____ *degree*
☐ Leading to a Bachelor of _____ *degree with a major in* _____
☐ Leading to a _____ Option *within the existing major in* _____
☐ Leading to a Minor *in*

Changes to existing programs

☐ New Admission Requirements for the Major *in* _____ *within the Bachelor of* _____
☐ Revised Admission Requirements for the Major *in* _____ *within the Bachelor of* _____
☐ Revised Program Requirements for the Major *in* _____ *within the Bachelor of* _____
☐ Revised Requirements for the Option *in* _____ *within the major in* _____
XX☐ Revised Requirements for the Minor *in Materials Science and Engineering* _____

Other Changes

☐ Change name of program *from* _____ *to* _____
☐ New or Revised Continuation Policy *for* _____
☐ Eliminate program *in* _____

Proposed Effective Date: *(quarter/year)* Autumn 2005_____

Contact Person	Phone Number	Email
Kathleen A. Elkins	206-616-6581	kelkins@u.

Explanation of and Rationale for Proposed Change: (*Please use additional pages if necessary. For new programs, please include any relevant supporting documentation such as student learning outcomes, projected enrollments, letters of support, and departmental handouts.)*

The Materials Science and Engineering minor in place until recently was based on courses available in the undergraduate major at the time and the specialty areas of metallurgy and ceramics. The minor now being proposed uses the courses available in the revised undergraduate curriculum put in place Autumn 2002 and reflects the broad-based background knowledge needed to work in the materials areas currently.

** For information about when and how to use this form please go to http://www.washington.edu/faculty/facsenate/councils/fcas/1503/.*

Creating & Changing Undergraduate Academic Programs

2. Catalog Copy

A. Catalog Copy as Currently Written *(Include only sections/paragraphs that would be changed if your request is approved. Please cross out or otherwise highlight any deletions.)*

30 credits to include a set of approved 300-level MSE courses with a minimum grade of 2.0 in each. ~~The minor program course sequence is offered with specialization in ceramics, composites, electronic materials, metallurgy, or structural materials. The required/recommended courses for each specialization are different~~. Contact the department's academic counselor for further details.

B. Proposed Catalog Copy, Reflecting Requested Changes *(Include exact wording as you wish it to be shown in the printed catalog. Please underline or otherwise highlight any additions. If needed, attach a separate, expanded version of the changes that might appear in department publications.)*

Minor requirements: 30 credits consisting of the following courses: MSE 170, MSE 321, MSE 322, MSE 331, MSE 333, MSE 342, MSE 351, MSE 352, MSE 362. A minimum grade of 2.0 is required for each course.

3. Signatures *(required)*

Chair/Program Director	Date 4/20/05	Dean	Date 5-18-05
College Committee	Date 17 May 05	Faculty Council on Academic Standards	Date 6-3-05

Minor in Materials Science and Engineering

Students majoring in other departments at the University of Washington can receive a minor in Materials Science and Engineering by satisfying the following requirements. There is no formal admission requirement for the minor.

MSE Minor Requirements

Students must complete the following courses with a minimum cumulative MSE GPA of 2.0.

MSE 170	Fundamentals of Materials Science	4 credits
MSE 321	Thermodynamics & Phase Equilibrium	4 credits
MSE 322	Kinetic & Microstructure Evolution	4 credits
MSE 331	Crystallography & Structure	3 credits
MSE 333	Materials Characterization	3 credits
MSE 342	Materials Processing I	3 credits
MSE 351	Electron Theory of Engr. Materials	3 credits
MSE 352	Functional Properties of Materials I	3 credits
MSE 362	Mechanical Behavior of Materials I	3 credits