TO: College of Arts and Sciences Curriculum Committee

FROM: Marc McEllistrem
       Materials Sciences Program Director

DATE: September 30, 2014

RE: Program Changes

We request implementation of the following program changes with the next possible Catalog.

Name of Program — Comprehensive Major: Materials Science, Liberal Arts

Program Code — 250-nnn

Date of Department/Program Approval — September 19, 2014

From: Page 150 of the Catalog Year 2014-15

To: See following pages

Why: Changes are proposed to three existing emphases, and two new emphases are proposed.

The Program’s review concluded that in some cases students would be better served by broadening the course array available (Physics and Chemistry emphases), or would be better served by more clearly defining appropriate courses (Applied emphasis) in the existing emphases.

Two new emphases (Mathematics of Materials and Entrepreneurship) are proposed based on recent interest by Materials Science graduates.
Comprehensive Major: Materials Science, Liberal Arts
Entreprenuership Emphasis (Code 250-XXX)

NEW EMPHASIS

Existing catalog description:
None

Proposed catalog description:
Core courses plus nine credits from Mgmt 371, Mgmt 373, Mgmt 374

Note from Program committee: The courses chosen are those identified by the College of Business as appropriate for the Entrepreneurship Certificate.

Two Materials Science graduates pursued an Entrepreneurship emphasis (and at least two others who are current students have expressed similar interest). The graduates had to “build their own” degree program (in consultation with advisors in Materials Science and CoB), and were very different programs. Both graduates report that having demonstrated interest in business helped them professionally. A transcript notation is appropriate and valued by students.
Comprehensive Major: Materials Science, Liberal Arts
Mathematics of Materials Emphasis (Code 250-XXX)
NEW EMPHASIS

Existing catalog description:
None

Proposed catalog description:
Core courses plus eight credits from Math 216 and any Math course numbered 312 or higher

Note from Program committee: Two graduates have pursued a Math emphasis. Both report that having a strong Math background helped them to advance professionally. A transcript notation is appropriate and valued by students.