Mary Simonsen has submitted a request for a major curricular change. His/her email address is: mbsimon@wsu.edu.

**Requested change:** Revise or Drop Graduate Plan

**Degree:** Ph.D. in Mechanical Engineering

**Title:**

**Requested Effective Date:** Fall 2018

Revise plan requirement: Yes

**Dean:** Field, David - Assoc Dean - VCEA - Grad,

**Chair:** Dutta, Indranath,

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<th>UCORE Committee Approval Date</th>
<th>All-University Writing Com / Date</th>
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<th>Catalog Subcommittee Approval Date</th>
<th>GSC or AAC Approval Date</th>
<th>Faculty Senate Approval Date</th>
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I approve this proposal in its current form.

Indranath Dutta, Ph.D.
Professor and Interim Director
School of Mechanical and Materials Engineering
Washington State University
Spokane Street, Sloan 201 / Dana 149
Pullman, WA 99164
Ph: 509-335-8354, 509-335-8654
Fax: 509-335-4662
Cell: 509-270-0118
E-mail: idutta@wsu.edu

On Feb 13, 2018, at 1:50 PM, curriculum.submit@wsu.edu wrote:

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Field, David - Assoc Dean - VCEA - Grad,

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Both Chair and Dean approval is required to complete the submission process. Please indicate that you have reviewed the proposal by highlighting one of the statements below and reply all to this email. (curriculum.submit@wsu.edu.) [Details of major change requested can be found in the attached supplemental documentation]

1. I approve this proposal in its current form.

2. I approve this proposal with revisions. Revisions are attached.

3. I do not approve this proposal. Please return to submitter.
If you do not respond within one week, you will be sent a reminder email. If no response is received within three weeks of the submission date, the proposal will be returned to the submitter.

Thank you for your assistance as we embark on this new process. If you have any questions or concerns, please let us know wsu.curriculum@wsu.edu.

Suzanne Lambeth, Assistant Registrar
Graduations, Curriculum, & Scheduling
Washington State University
Registrar's Office
PO Box 641035
Pullman WA 99164-1035
509-335-7905
slambeth@wsu.edu

Note: Please use the attachments to this email rather than the link below to view the supporting documentation.
<2018.02.13.13.50.12.41.currentCatalogFile_School_of_MME~PHD_ME.pdf>
I also approve of this one

From: Dutta, Indranath
Sent: Tuesday, February 13, 2018 4:48:20 PM
To: curriculum.submit
Cc: Field, Dave
Subject: Re: 415662 Mechanical and Materials Engineering Requirements Revise - Revise or Drop Graduate Plan

I approve this proposal in its current form.

Indranath Dutta, Ph.D.
Professor and Interim Director
School of Mechanical and Materials Engineering
Washington State University
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Pullman, WA 99164
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Rationale statement for graduate program requirement changes

The School of Mechanical & Materials Engineering requests the following changes to our graduate programs.

1. Change to all programs regarding the math requirement
   - MS Mechanical Engineering (thesis option)
   - MS Mechanical Engineering (non-thesis option)
   - PhD Mechanical Engineering
   - MS Materials Science & Engineering (thesis option)
   - MS Materials Science & Engineering (non-thesis option)

Current language: “3 credit hours of any 500-level math course.”
Requested change: “3 credit hours of any 500-level math or stat course.”

At their meeting on September 12, 2017, our Graduate Studies Committee (GSC) discussed whether our math requirement should be revised. The program requirements at that time were, “3 credit hours of any 500-level math course.” Over time, some faculty advisors and their students had requested that a “stat” course be allowed to substitute for the math course, as the stat course was more applicable to the research they were conducting. Our GSC had been approving these requests on a case-by-case basis. Because so many requests were being made in recent times, the GSC felt it made more sense to just change the math requirement. The GSC voted unanimously in favor of changing the requirement to say, “3 credit hours of any 500-level math or stat course.” Our faculty discussed this at their meeting on October 6, 2017, and voted unanimously in favor of the change.

2. Additional change to MS MSE (thesis option) and MS MSE (non-thesis option)

The requirement for “MSE/ME coursework: 12 credits minimum” was clarified to indicate that at least 9 credits of the 12 must be 500-level MSE courses, while the remaining 3 credits can be 500-level MSE or ME courses. Making this change will align the language of the MS MSE program requirements with that of our MS ME program requirements.
Mechanical Engineering Ph.D.:

- **Math: 3 credits minimum:**
  - Any 500-level Math course or Stat course
- **ME/MSE Coursework: 12 credits minimum:**
  - Any 500-level ME or MSE courses
- **Electives: 9 credits minimum:**
  - Chosen in consultation with the advisor
- **Seminar: 3 credits minimum:**
  - MATSE 593
  - ME 598
- **Research Credits: 20 credits minimum:**
  - ME 800
- **Total Graded Credits: 24 credits minimum**
- **Total Credits: 72 credits minimum**

Applicable Graduate School Requirements:

- **Graded Credits: 24 credits**
- **Research Credits: 20 credits**
  - ME 800
- **Total Credits: 72 minimum**