John McCloy has submitted a request for a major curricular change. His/her email address is: john.mccloy@wsu.edu.

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

**Degree:** PhD in MSE

**Title:** PhD

**Requested Effective Date:** Fall 2018

Revise plan requirement: Yes

**Dean:** Gloss, Lisa - Dean - MSE Graduate,

**Chair:** McCloy, John,
McCloy, John,

Gloss, Lisa - Dean - MSE Graduate,

John McCloy has submitted a request for a major curricular change.

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

**Degree:** PhD in MSE

**Title:** PhD

**Requested Effective Date:** Fall 2018

Revise plan requirement: Yes

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.
Approved (as interim Dean of the Graduate School) as indicated below.

Lisa Gloss

-----------------
Dr. Lisa M. Gloss
Interim Dean, Graduate School
Associate professor, School of Molecular Biosciences
Washington State University
Pullman, WA 99164-1030
TEL (509) 335-5859

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.
September 28, 2017

RE: Justification for MSEP curriculum change

To whom it may concern,

The Materials Science & Engineering Program (MSEP) is requesting a curriculum change that does not change the overall number of graded graduate credits. The change reduces the number of restricted courses from 4+1 to 3+1, where the 1 indicates a required course all students take (MATSE 505) and the 4 (or 3) indicates the restricted categories of electives that must be satisfied. This change reduces the required restricted electives from 4 to 3.

The reason for this change is to allow faculty more flexibility in selecting appropriate courses for their students. Additionally this change allows sufficient and suitable courses to be taken within the first 1.5 – 2 years given the typical availability of courses offered.

The MSEP faculty voted on this issue in September 2017. There was a quorum for the vote, and the majority of those who voted approved this change, in accordance with our bylaws.

We therefore request that this change be made official. The redlined document is also attached electronically. That document is the section from our graduate student handbook which details the program requirements.

Sincerely,

John S. McCloy, PhD.
Associate Professor, School of Mechanical & Materials Engineering, Washington State University
Director, Materials Science & Engineering Program, Washington State University
Chief Scientist, Joint Appointee, Pacific Northwest National Laboratory
Visiting Professor, Nuclear Materials, Dept of Materials Science & Engineering, University of Sheffield

PO Box 642920, Pullman, WA 99164-2920, USA
+1-509-335-7796; john.mccloy@wsu.edu
Group website: http://labs.wsu.edu/mccloy
APPENDIX B: SUMMARY OF CURRICULUM

CORE COURSES: (15-12 credits)
As an interdisciplinary program, MSEP requires its students to take classes in a broad range of materials areas. To accomplish this, students must take one mandatory course (MATSE/MSE 505 – Advanced materials science) plus 4-3 other courses from 4-3 of the 9 other categories listed below. In each category are a list of approved courses that satisfy that category.

Note that this list contains courses in several departments, and students should contact these home departments of the course for questions, including scheduling. Whenever a course is cross-listed with a MATSE course, students should sign up for the MATSE course. When a course is cross-listed as MSE and another prefix, students should sign up for the MSE course.

The table on the next page contains the year/semester when the course is typically offered, but these are subject to change. Some departments list a projected schedule of course offerings, such as MME (MSE and ME course prefixes) at: https://mme.wsu.edu/documents/2017/05/graduate-schedule-of-courses.pdf. Schedules of classes can be found for the current academic year at: http://schedules.wsu.edu/.

Requests for alternate courses are made on an exception basis, such as when requesting transfer credits or filing a program of study. 500 level special topics courses will be considered, as will appropriate 400- and 500-level courses from WSU Urban Campuses. In the case of requesting an alternate course, a syllabus in English must be supplied, and the Director has the final say as to whether a course may be acceptable for the program of study. This list of approved courses may be updated in the future based on approval by the Faculty Senate.

ADDITIONAL COURSES: (6-9 credits)
In addition to the 5-4 CORE courses (MATSE 505 + 4-3 CATEGORIES), two-3 additional courses are required. Additional courses are selected by the student in consultation with their research advisor and thesis committee. Any 400-500 level courses in engineering (MSE, ME, CE, CHE), the physical sciences (PHYS and CHEM), and mathematics (MATH) are usually acceptable unless they have been used for credit in the undergraduate program. Any of the courses listed under the core (above), which have not been counted towards the satisfying the core requirement, may be counted as additional course(s).

SEMINAR: (6 credits)
MATSE 593 Seminar in Materials Science & Engineering (1). Repeated for adequate credit. In rare cases, other courses units may be substituted for these units with the permission of the Director.

RESEARCH CREDITS:
At least 20 credits of MATSE 800. Typically, more than 20 credits are necessary to make up the total of required 72 hours for the PhD degree.

OTHER REQUIREMENTS:
- Program of study must satisfy Graduate School requirements (72 total credits, minimum of 20 credits of 800).
- Up to 9 credits of 300- or 400-level courses may be included in the Program of Study with committee and Director approval (section a-iii, https://gradschool.wsu.edu/chapter-six-g2/).
- Up to 10 transfer credits may be applied to the Program of Study from another institution, either from an MS degree or other graduate work, providing grade was at least “B”. For MSEP, these courses must either be approved as alternates to CORE classes, be considered as ADDITIONAL courses, or merely accepted as additional credit hours. For these transfers, an English copy of the syllabus must be provided. For more details see (section e, https://gradschool.wsu.edu/chapter-six-g2/).
- Students must provide a completed MSEP Program of Study spreadsheet at the time of submission of the Program of Study, where requested alternates to approved CORE classes, whether WSU or transfer, are requested; the spreadsheet can be found at http://materials.wsu.edu/documents/2017/08/msep-course-planner.xlsx.
- For the most up to date copy of the graduate school policies and procedures, see https://gradschool.wsu.edu/159-2/, and deadlines, see https://gradschool.wsu.edu/deadlines/.

**TYPICAL CALCULATION**

\[
15 - 12 \text{ (CORE)} + 6 - 9 \text{ (ADDITIONAL)} + 6 \text{ (SEMINAR)} + 45 \text{ (RESEARCH)} = 72 \text{ CREDITS}
\]