

Graduate Faculty Meeting Agenda

4:00 pm, December 07, 2020

Zoom: <https://umsystem.zoom.us/j/99058504455?pwd=L0VLeUxHaFNnMHgzUDk4eXlHMk92QT09>

Meeting ID: 990 5850 4455 / Password: 013299

1. Approval of Minutes from Special February 24, 2020 Meeting
2. Approval of Minutes from May 04, 2020 Meeting
3. Approval of Minutes from Special November 30, 2020 Meeting
4. Graduate Faculty Reappointment Vote
 - Fifty-nine full and six associate membership applications were reviewed
 - Membership Committee recommended approval of all applications
5. Motion Approved by Graduate Council on October 07, 2020 to Amend FS20 Graduate Catalog by Returning Option for Second/Subsequent Master's Degree with Credit Hour Reduction – See Attached Proposal
 - **“Earning a Second/Subsequent Master's Degree**
A student who has earned a master's degree at Missouri S&T or elsewhere in one major shall be eligible to earn a second/subsequent master's degree in another area upon satisfactory completion of a minimum of twenty-four additional hours of graduate credit (thesis or non-thesis). The plan of study (Form 1/1-A) must include a minimum of eighteen credit hours of 4000-, 5000-, and 6000 level lecture courses (1000/2000-level courses cannot be included). A minimum of six credit hours of the required coursework must come from the group of 6000- level lecture courses. Additionally, for a second/subsequent master's degree with a thesis, a minimum of six credit hours of graduate research is required.”
6. Motion Approved by Graduate Council on November 04, 2020 to Amend FS20 Graduate Catalog by Adjusting Coursework and Research Requirements for Doctoral Students (PhD and DE) without a Master's – See Attached Proposal
 - “Students who do not hold a master's degree will be required to complete a minimum of seventy-two hours of graduate credit. The plan of study (Form 5/5-A) must include a minimum of thirty credit hours of 4000-, 5000-, and 6000-level lecture courses (1000/2000-level courses cannot be included). It is recommended that fifteen credit hours of the required coursework come from the group of 6000-level lecture courses. Additionally, a minimum of thirty credit hours of graduate research is required.”
7. Motion Approved by Graduate Council on November 04, 2020 to Approve Two Newly Created Graduate Forms and Thirteen Updated Graduate Forms (as listed on page three of this agenda) to Reflect Changes in the FS20 Graduate Catalog.
 - Should the Graduate Faculty approve agenda items 5 and 6, it was also approved for the Form 1/1A and/or Form 5/5A to be updated to reflect those changes without additional review.

8. Informational Items

- Election was held by Graduate Council on September 02, 2020 for Graduate Council representation on the campus Research Policy Committee (chaired by Dr. Costas Tsatsoulis). Elected were Drs. Michael Moats, S.N. Balakrishnan, Cihan Dagli, and Leslie Gertsch.
- The following motion was approved by Graduate Council on October 07, 2020
 - “Be it resolved by the Graduate Faculty Council that it has come to our attention that graduate students may have been paid in a less than timely manner creating undue financial strain on students. While we are aware of the unusual circumstances brought on by COVID19, we the Graduate Council, request that the Provost investigate this matter in collaboration with the CFO, and improve timeliness of payments to graduate students as feasible.”
- Election was held by Graduate Council on November 04, 2020 for 2020-21 End of Year Awards Committee. Elected were Drs. Akim Adekpedjou, V. Prakash Reddy, Gayla Olbricht, Hongxian Zhang, and staff member Jeannie Werner from CARÉ.
- It was mentioned at the November 04, 2020 Graduate Council meeting that an ad-hoc committee will be formed to review a proposal for creation of a graduate student bill of rights by the Council of Graduate Students. Once formed, this committee will consist of members of Graduate Faculty, the Council of Graduate Students president, as well as representatives from Title IX and the Office of Graduate Studies, etc.

9. New Business

CERTIFICATE FORMS:

1. Substitution for Required Certificate Course(s)
2. Certificate Program Courses Form

MASTER'S FORMS:

1. Form 1/Form 1A: Plan of Study/Revised Plan of Study
2. Form 1B: Appointment of Committee for Master's Comprehensive Examination
3. Form 2: Report on Final Examination (Defense) and Thesis Approval
4. Form 3: Report on Master's Non-Thesis Comprehensive Examination

DOCTORAL FORMS:

1. Form 4: Report on Qualifying Examination
2. Form 5/Form 5A: Plan of Study/Revised Plan of Study
3. Form 6A: Request for Authorization of Doctoral Comprehensive Examination
4. Form 6B: Report on Doctoral Comprehensive Examination
5. Form 7: Report on Final Examination (Defense) and Dissertation Approval
6. Request for Continuous Registration
7. Application to Conduct Off-Campus Research

OTHER (NEW) FORMS:

1. Request to Change Catalog Year (Graduate Degree and Certificate Programs)
2. Request for Leave of Absence (Graduate Degree and Certificate Programs)

*Suggested to insert just before “Master of Science Degree with Thesis” section.

Earning a Second/Subsequent Master’s Degree

A student who has earned a master’s degree at Missouri S&T or elsewhere in one major shall be eligible to earn a second/subsequent master’s degree in another area upon satisfactory completion of a minimum of twenty-four additional hours of graduate credit (thesis or non-thesis). The plan of study (Form 1/1-A) must include a minimum of eighteen credit hours of 4000-, 5000-, and 6000-level lecture courses (1000/2000-level courses cannot be included). A minimum of nine credit hours of the required coursework must come from the group of 6000-level lecture courses. Additionally, for a second/subsequent master’s degree with a thesis, a minimum of six credit hours of graduate research is required.



Materials Science and Engineering

To: Graduate Faculty Council
From: Michael S. Moats, MSE Representative
Date: September 23, 2020
Subject: Proposed Change to Direct PhD Course Requirements

The current Missouri S&T graduate catalog for M.S. and Ph.D requirements are listed below.

<http://catalog.mst.edu/graduate/admissionsandacademicprogramprocedures/mastersdegrees/>

The master of science degree with thesis requires a minimum of thirty hours of graduate credit. The plan of study (Form 1/1-A) must include a **minimum of eighteen credit hours of 4000-, 5000-, and 6000-level lecture courses** (1000/2000-level courses cannot be included). **A minimum of six credit hours of the required coursework must come from the group of 6000-level lecture courses.** Additionally, **a minimum of six credit hours of graduate research is required.** If a student has co-advisors in different departments, the student's graduate research credit may be shared by all departments involved.

<http://catalog.mst.edu/graduate/admissionsandacademicprogramprocedures/doctoratedegrees/>

Students who hold a master's degree will be required to complete a minimum of forty-two hours of graduate credit. The plan of study (Form 5/5-A) must include a minimum of twelve credit hours of 4000-, 5000-, and 6000-level lecture courses (1000/2000-level courses cannot be included). It is recommended that nine credit hours of the required coursework come from the group of 6000-level lecture courses. Additionally, a minimum of twenty-four credit hours of graduate research is required. A Ph.D. student who holds a master's degree will receive a block of thirty credit hours that can be included on the Form 5/5-A, which will count toward the total seventy-two-hour program requirement.

Students who do not hold a master's degree will be required to complete a minimum of seventy-two hours of graduate credit. The plan of study (Form 5/5-A) must include a minimum of thirty-six credit hours of 4000-, 5000-, and 6000-level lecture courses (1000/2000-level courses cannot be included). It is recommended that fifteen credit hours of the required coursework come from the group of 6000-level lecture courses. Additionally, a minimum of twenty-four credit hours of graduate research is required.

Credit from only one master's degree may be included on the doctoral plan of study (Form 5/5-A).

Table 1 summarizes the current graduate degree requirements. From a consistency standpoint, the direct PhD requirements should be the sum of the requirement hours for PhD from MS + MS requirements in terms of lecture hours and research hours. Table 2 reflects this approach and is my recommendation for change.

Table 1. Current minimum graduate degree requirements at Missouri S&T

Degree	Transfer Hours from MS	Minimum All Lecture Hours	Minimum 6000 Level Lecture Hours	Minimum Research Hours	Minimum Total Hours
MS		18	6 (must)	6	30
PhD from MS	30	12	9 (recommended)	24	72
Direct PhD		36	15 (recommended)	24	72



Table 2. Proposed changes to minimum graduate degree requirements at Missouri S&T

Degree	Transfer Hours from MS	Minimum All Lecture Hours	Minimum 6000 Level Lecture Hours	Minimum Research Hours	Minimum Total Hours
MS		18	6 (must)	6	30
PhD from MS	30	12	9 (recommended)	24	72
Direct PhD		30	15 (recommended)	30	72

If approved the proposed wording change (highlighted in bold) to the graduate catalog would be:

Students who do not hold a master's degree will be required to complete a minimum of seventy-two hours of graduate credit. The plan of study (Form 5/5-A) must include a minimum of **thirty** credit hours of 4000-, 5000-, and 6000-level lecture courses (1000/2000-level courses cannot be included). It is recommended that fifteen credit hours of the required coursework come from the group of 6000-level lecture courses. Additionally, a minimum of **thirty** credit hours of graduate research is required.

