

UNIVERSITY OF WISCONSIN-MADISON

DEPARTMENT OF STATISTICS - MS

JULY 1, 2020

CONTENTS

- Preface..... 3
- Mission and goals 3
 - Statistics MS program mission..... 3
 - Learning outcomes 3
- Program and student resources 3
 - Graduate School Academic Policies and Procedures..... 3
 - Faculty research interests..... 3
 - Statistics departmental staff..... 4
 - Statistics graduate student directory 4
 - Professional development opportunities and student organizations 4
 - TA/PA/RA funding..... 4
 - Computing and IT resources 4
 - Course descriptions 4
 - Onboarding materials and information 4
- MS Program Information..... 4
 - Criteria for satisfactory progress for graduate students in the Department of Statistics 5
 - 1. Grade point average 5
 - 2. Approved credits 5
 - 3. Time limits for core courses..... 6
 - 4. Ethics..... 6
 - 5. Incompletes 6
 - 6. Consequences of failure to meet criteria 6
 - 7. Part-time students..... 7
 - 8. Appeals and the student’s responsibilities 7
 - Examples of academic misconduct..... 7
- MS advisor information 8
- Enrollment requirements 8

MS degree regulations.....	9
Guide information	9
Regulations	9
Course registration form	11
MS exam	11
Biostatistics degree option	11
Complete your master’s degree	12
Academic Exception Petition	12
Application to Statistics PhD from the MS program	12
Satisfactory progress – conduct	13
Academic misconduct.....	15
Non-Academic misconduct.....	15
Research misconduct.....	17
Intellectual Property.....	17
Disciplinary Action and Dismissal	18
Student Health and Wellness	18
Securing health insurance coverage.....	19
Disability information	19
Mental health resources on and off campus.....	19
Grievances and Appeals.....	19

PREFACE

The Department of Statistics at the University of Wisconsin-Madison strives to maintain both instructional and research programs of the highest quality. The M.S. program provides excellent training in the modern theory, methods and applications of statistics. The Department believes that its graduates should blend a strong theoretical statistics foundation with practical experience working with challenging statistical problems in diverse areas of application. For this reason, the Department's graduate programs, stressing this relationship of theory and practice, are designed to prepare the graduate equally well for an academic, industrial, or governmental position.

The Department would like each graduate student's learning experience in the program to be as productive and rewarding as possible. To help build a successful experience, this handbook has been prepared to provide a variety of information that a graduate student might find useful during their time in the Statistics program. It describes the M.S. degree programs and requirements, provides a range of academic information such as course descriptions and criteria for satisfactory progress in the programs, and information on aspects of financial support through teaching, research, and project assistantships. The information in this handbook, while extremely useful, should also be supplemented by individual consultation with faculty and staff, and appropriate departmental committees with regard to advising on academic programs and requirements, financial assistantships, and other matters.

MISSION AND GOALS

STATISTICS MS PROGRAM MISSION

The MS program in Statistics aims to produce highly trained statistical consultants who will provide excellent statistical expertise through collaboration with individuals from many other disciplines.

LEARNING OUTCOMES

1. Demonstrates understanding of statistical theories, methodologies, and applications as tools in scientific inquiries.
2. Selects and utilizes the most appropriate statistical methodologies and practices.
3. Synthesizes information pertaining to questions in empirical studies.
4. Communicates data concepts and analysis results clearly.
5. Recognizes and applies principles of ethical and professional conduct.

PROGRAM AND STUDENT RESOURCES

Below are links to a variety of departmental and campus resources that are beneficial to graduate students in Statistics

GRADUATE SCHOOL ACADEMIC POLICIES AND PROCEDURES

The Graduate School at the University of Wisconsin-Madison sets the policies and regulations that apply to all graduate students at UW-Madison. A number of links to specific policies are included throughout the handbook document, but students are strongly encouraged to review their website for any relevant policies as it applies to their situation: <https://grad.wisc.edu/academic-policies/>.

FACULTY RESEARCH INTERESTS

Please see the Faculty Research interest page here: <https://stat.wisc.edu/research-interests/>

STATISTICS DEPARTMENTAL STAFF

A listing of the Statistics Departmental Staff: <https://kb.wisc.edu/stat/104849>

STATISTICS GRADUATE STUDENT DIRECTORY

A listing of both alumni and current graduate students can be found on the departmental website at <https://stat.wisc.edu/students-and-alumni/>.

PROFESSIONAL DEVELOPMENT OPPORTUNITIES AND STUDENT ORGANIZATIONS

The University has many Professional Development Opportunities and Student Organizations. Please see some links below including the Statistics Graduate Student Association:

- Graduate School Professional Development: <https://grad.wisc.edu/professional-development/>
 - SuccessWorks (aka L&S Career Services): <https://successworks.wisc.edu/>
 - Wisconsin Involvement Network (student orgs): <https://win.wisc.edu/>
 - Teaching Assistants Association: <https://taa-madison.org/>
 - Morgridge Center: <https://morgridge.wisc.edu/>
 - Statistics Graduate Student Association: <https://sgsa.stat.wisc.edu/#/>
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TA/PA/RA FUNDING

Many students in Statistics are funded through the departments. Information specific to your funding can be found in the Statistics department KnowledgeBase at <https://kb.wisc.edu/stat/internal/104851>. Students funded outside of Statistics should contact that department for funding information.

COMPUTING AND IT RESOURCES

Links to the Statistics Department IT Manual and UW IT

- Statistics Department IT: <https://stat.wisc.edu/wp-content/uploads/sites/870/2019/08/sclmanual-1.pdf>
 - UW Division of Information Technology: <https://it.wisc.edu/>
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COURSE DESCRIPTIONS

The Guide (<https://guide.wisc.edu/courses/stat/>), which is the catalog of all UW-Madison programs and courses is a great resources for finding information like course descriptions.

ONBOARDING MATERIALS AND INFORMATION

If you would like to reference information sent to students during the onboarding process, please go to <https://stat.wisc.edu/documents/2020-statistics-ms-phd-onboarding-handbook/>

MS PROGRAM INFORMATION

CRITERIA FOR SATISFACTORY PROGRESS FOR GRADUATE STUDENTS IN THE DEPARTMENT OF STATISTICS

REVISED MAY 2012.

The progress of every graduate student in the Department of Statistics will be reviewed semiannually. The reviews will take place before the start of the Spring Semester and during the Summer. The review will be conducted by a committee or person to be designated by the Department Chair.

In addition to the Departmental Criteria, the student must satisfy of the Graduate School regulations. It is the student's responsibility to understand the Graduate School rules (<https://grad.wisc.edu/documents/satisfactory-progress/>). Students should take particular cognizance of the residence requirements as described in the Graduate School Bulletin.

As a result of each review the student will be deemed either to be making Satisfactory Progress or not. The student will be notified of the results of the review only if the Criteria are not satisfied. The consequences of failing to satisfy the Criteria are given below; the immediate consequence is to make the student ineligible for Departmental support as a TA, RA or PA.

In order to be deemed to be making Satisfactory Progress, graduate students must satisfy minimum requirements in each of the following areas:

- Grade point average
- Approved credits
- Time limits for core courses
- Time limit for first mentoring committee meeting [PhD]
- Ethics
- Handling of incompletes

There are exceptions to the Criteria for part-time students; see below. Throughout this document, semester means Fall or Spring; Summer session is excluded (although Summer grades are used to compute grade point averages). To 'Pass' a course means to receive a grade of C or better.

1. GRADE POINT AVERAGE

At the end of each semester the Department will compute the cumulative grade point average (GPA) of each student in the program, with two exceptions. The GPA will not be computed at the end of the first semester of study, nor will it be computed in semesters during or after the passing of the preliminary exam. 'Cumulative' means the GPA in all courses numbered 301 or above in any department since entering the program. The cumulative GPA must equal or exceed 3.00 in order to satisfy this Criteria. If the cumulative GPA is below 3.00, then the student has failed to satisfy the Criteria.

2. APPROVED CREDITS

Each semester the student must pass at least six credits approved by the academic advisor and in every two consecutive semesters pass at least fifteen credits approved by the academic advisor. Courses used to fulfil the minimum number of credits should be taken from the Course Requirements listed in the MS Degree Regulations section below.

The credit limit may be relaxed, at the discretion of the Department, if it is believed a lower requirement is more appropriate for a student's academic goals.

3. TIME LIMITS FOR CORE COURSES

The M.S. program should be a two-year program for most students. Students who earn an M.S. from the Department and then decide to pursue the Ph.D. degree follow the time limits for that program. Graduate School rules on time limits for programs: <https://grad.wisc.edu/documents/time-limits/>

4. ETHICS

The department of Statistics expects graduate students to demonstrate intellectual honesty, a responsible attitude towards colleagues and clients, and a strong sense of personal integrity. Ethical statistical practice is essential to our profession and failure to act ethically undermines our profession. Training in research ethics is required for students on some federally funded grants. Unethical behaviors include, but are not limited to, academic misconduct in a class or assignment, academic misconduct in an examination, and violation of data confidentiality. Unethical behavior constitutes failure to meet Criteria and will result in sanctions at the university level and at the departmental level.

5. INCOMPLETES

Any student who received an Incomplete in a course must provide the Department with a brief written explanation of the circumstances that led to the Incomplete, including a description of the work that must be completed. For an Incomplete received during Summer or Fall, the explanation must be received before Monday of the week before the next Spring semester classes start. For an Incomplete during Spring, the explanation must be received before June 15 of the same year.

If the explanation either arrives late or is deemed unacceptable by the Department, then the student will be deemed not to be making Satisfactory Progress.

If the explanation is accepted, the student will have one semester to remove the Incomplete; otherwise in the next review the student will fail to satisfy the Criteria. For example, if a student receives an Incomplete in Fall, he/she has until the end of the Spring Semester to complete the work, receive a grade, and report the grade to the Statistics Department. Thus, the student should complete the work in time for the instructor in the course to finish grading by the end of the appropriate semester.

In some cases, several students in a class will be given an Incomplete because the instructor is not able to complete course grading on time. In such cases, the instructor may provide the Department with one letter to cover all students affected. In these cases, the student need not write a letter to the Department.

6. CONSEQUENCES OF FAILURE TO MEET CRITERIA

A student who fails to satisfy the Criteria is ineligible for departmental support as a TA, PA, or RA beginning with the following semester (Fall for the summer review, Spring for the pre-Spring review). Three consecutive reviews in which a student fails to meet the Criteria for Satisfactory Progress will result in the Department immediately notifying the student and the Graduate School that the student is no longer eligible to be student in the Department. The student may petition to remain in the Department after three consecutive failures to meet the

Criteria. For example, a student who is simultaneously pursuing two Master's degrees may reasonably be allowed four years to complete the degrees.

A student who has failed to satisfy the Criteria for fewer than three consecutive reviews is eligible to take courses, finish degree requirements and receive a degree. Failure to satisfy the Criteria will not appear on the student's transcript.

7. PART-TIME STUDENTS

A student who enters the Department as a part-time student will meet with an advisor to create individualized Criteria to be approved by the Department. It is anticipated that the individualized Criteria will follow the above guidelines on Grade Point Average and Incompletes, but the requirements on the number of approved credits and time limits will be relaxed.

A student with full-time status who wants to switch to part-time status must petition the Department for permission; permission will not be granted if it appears that a primary reason for the request is to avoid the consequences of failing to satisfy the Criteria.

8. APPEALS AND THE STUDENT'S RESPONSIBILITIES

The student may appeal in writing to the Department Chair any decision on Satisfactory Progress. The results of the review will stand, pending the outcome of the appeal. Thus, it is recommended that a student anticipate potential problems and makes an appeal early.

It is the student's responsibility to make sure he/she receives the results of the Department's review. In particular, the student must check his/her departmental mailbox in a timely manner or leave a forwarding address with the staff member in charge of mail. Ignorance of the result of the review is not grounds for an appeal. (We expect students will know they have failed to meet the Criteria before the Department does.) Also, note the student's responsibility regarding Incompletes as explained earlier.

EXAMPLES OF ACADEMIC MISCONDUCT

The list below is not exhaustive and focuses on examples most relevant to students taking courses. Individual instructors may have different expectations. Students are responsible for seeking out information when unsure of what is expected.

Copying or attempting to copy someone else's work, communicating answers during an exam, or using concealed information. For a take-home exam, communicating about the exam with anyone else other than the instructor, without the instructor's consent. Using any resource not allowed by the instructor (internet, books other than those allowed, other students or friends) is cheating. Example of collaboration on homework: 3 students meet to work on their 609 assignment. The right way: They talk about the homework, write down some ideas on the board. Then they separate and individually write up their solutions. The wrong way: There are 3 problems on the assignment. Student A is in charge of problem 1; Student B is in charge of problem 2; and Student C is in charge of problem 3. Student A presents her solution to problem 1 and students B, C copy down this solution. Repeat with Student B on problem 2, etc. This is cheating. Students are encouraged to cite who they worked with on what problems, just like authors acknowledge colleagues in research publications. If someone else's code was used to do your homework, or the proof to a key step from a book or a paper, these references should be cited. Altering

university documents is academic misconduct, such as altering a previously graded exam for the purpose of obtaining a grade change, or altering a student’s progress form after it was signed by the student’s advisor.

MS ADVISOR INFORMATION

Each student in the MS program is assigned an academic advisor. Students are expected to meet with their advisor each semester prior to course enrollment for advice on selecting courses.

ENROLLMENT REQUIREMENTS

The Graduate School has sent a number of enrollment requirements for all graduate students. Please visit their policies page for the most up-to-date information regarding enrollment requirements for your specific situation (course level, funding type, students visa, term, etc.): <https://grad.wisc.edu/documents/enrollment-requirements/>

However it should be noted that department requirements may be stricter than the Grad School requirements – for example, **full-time students in the Statistics department need to make sure to enroll in a minimum of 15 credits over the fall and spring semesters (one semester in 6 credits, the other semester in 9 credits).**

Here is a quick reference guide from the Graduate School’s website

Categories	Minimum enrollment for full-time status: Fall or Spring	Minimum enrollment for full-time status: Summer (general 8-week DHH session)
Dissertator	Exactly 3 credits directly related to research	Not required unless receiving summer degree or if RA, trainee (with 12-month appointment), or fellow (with 12-month appointment), 3 cr. required.
RA, non-dissertator	8 cr.	2 cr.
TA/Lecturer (SA) 33%, non-dissertator	6 cr.	Not required unless receiving summer degree, 2 cr. minimum.
TA/Lecturer (SA) 50%, non-dissertator	4 cr.	Not required unless receiving summer degree, 2 cr. minimum.
PA 33%, non-dissertator	6 cr.	Not required unless receiving summer degree, 2 cr. minimum.
PA 50%, non-dissertator	4 cr.	Not required unless receiving summer degree, 2 cr. minimum.
Fellow, non-dissertator	8 cr.	2 cr. for 12-month appointments. Not required for 9-month appointments.
Trainee, non-dissertator	8 cr.	2 cr.
International student (F-1/J-1 visa), non-dissertator, if no other category in this list	8 cr.	4 cr. when summer is admit semester (2 cr. when summer is admit semester and student holds RA appointment or at least 33% TA or PA appointment)
If none of the above, full time enrollment is:	8 cr.	4 cr.

** Credit requirements (except F-1 and J-1 visa requirements) must be satisfied by graded courses taken at 300 or above; courses numbered below 300, audit, and pass/fail do not satisfy enrollment requirements. Lecturer (LSA) is included in the same category as TA.*

Information regarding how to enroll can be found in your onboarding materials:

<https://stat.wisc.edu/documents/2020-statistics-ms-phd-onboarding-handbook/>

MS DEGREE REGULATIONS

GUIDE INFORMATION

The Guide, which serves as the official catalog for all academic programs at UW-Madison is the official repository of program requirements. All students must follow the requirements published in the Guide for the catalog year in which they entered the program. Here is a link to the current catalog for the Statistics MS:

<https://guide.wisc.edu/graduate/statistics/statistics-ms/>. Previous catalog years can be accessed at

<https://guide.wisc.edu/archive/> in a PDF format.

REGULATIONS

Revised May 1, 2014 - Effective for students entering the program in Summer/Fall 2014 or later

The objective of the Master's degree (MS) requirement is to satisfy the Department that the candidate has the potential to be a practicing statistician, it being understood that a practicing statistician must also have a proper grasp of statistical theory.

The Master's degree and PhD programs are distinct. The student can obtain a PhD without first obtaining a Master's degree. A Master's degree is regarded as evidence of having the skills of a practicing statistician. It confers a specific status on the recipient and it is hoped that most students will obtain a Master's degree, regardless of whether or not they proceed to a PhD.

The requirements for a Master's degree in Statistics are:

- a. Satisfaction of University requirements.
- b. Adequate course performance. A grade of B or better must be received in any course used to fulfill the required and elective course requirements.
- c. Passing a competency test of the candidate's potential as a practicing statistician

(again, bearing in mind that this may include testing of theoretical competence).

1. Course Requirements (30 credits)

- Stats 609 (3 cr) or 709 (4 cr)
- Stats 610 or 710 (4 cr)
- Stats 849 (3 cr)
- Stats 850 (3 cr)
- Stats 998 (3 cr)
- Six or more elective credits from statistics courses numbered 600 or higher (with the exception of 609, 610, 699, 709, 710, 849, 850, or 998)

- The following will also be allowed to count towards the 30-credit minimum for the Master's degree (with permission of the Curriculum and Degree Requirement Committee)
 - Up to six credits from statistics courses numbered 303, 304, 305, 349, 351, 411, 421, 456, or 471 (students may not count both 456 and 760, 349 and 701, or 471 and 771)
 - Up to six credits of research (699)
 - Up to six credits of graduate courses in other departments complementary to the student's interest areas
 - Up to six credits of statistics coursework at the 600-level or above, taken while an undergraduate or special student at UW-Madison, provided that the work was completed no more than five years prior to admission to the Master's degree (with permission of the chair of the Master's Examination Committee). If the work was completed as a special student, the student must also pay the difference between special student and graduate tuition.
- If completing the Biostatistics option, six credits must include three credits of Stat 641 and three credits of either Stat 642, 741, or 877.

2. Competency Test

The Master's degree competency test (examination) will be the responsibility of an Examination Committee of faculty members (usually four) appointed by the faculty. Typically, the appointment will be for two years and half the committee will be reappointed each year to provide overlap and continuity.

After the candidate successfully completes 998 or the semester in which 998 is taken, the candidate must demonstrate to the Examination Committee the potential to be a practicing statistician. The committee is given latitude to decide the details on each occasion as to how this will be done. However, the general form of the competency test (examination) will be as follows:

- a. The candidate will be presented with one or more written problems or projects and asked to provide a brief written report involving a suitable statistical analysis seven days later.
- b. The candidate will meet briefly with the clients related to the projects early in the examination period.
- c. After a further period of time, not to exceed ten days, the candidate will go before the Examination Committee for an oral examination based on questions arising from the above problems or projects. It is understood that the area of questioning may be extended to cover additional aspects of the candidate's theoretical or practical background on which satisfaction of competence is considered desirable by the committee.

A candidate may attempt the competency test at most twice. If a candidate initially attempts the MS degree exam in the fall and does not pass, a second attempt must be made in the following spring or fall. If a candidate initially attempts the MS degree exam in the spring and does not pass, a second attempt must be made in the following fall or spring. A candidate desiring to take this exam must register with the Examination Committee prior to the exam date. Picking up the exam constitutes an attempt regardless of whether or not the examination is submitted for grading.

3. Graduate School Higher Learning Commission Requirements

- A Master's degree requires 30 credits (not including audits or pass/fail). [Minimum Graduate Degree Credit Requirement]
- At least 16 of these credits must be taken in-residence at UW-Madison. [Minimum Graduate Residence Credit Requirement]

- Half of the degree course work (15 credits out of 30 total credits) must be completed in Statistics courses numbered 600 or higher (which our department considers to be graduate courses). [Minimum Graduate Course Work (50%) Requirement]
- With program approval, students are allowed to count no more than 9 credits of graduate course work from other institutions toward the graduate degree credit and graduate course work (50%) requirements. Course work earned five or more years prior to admission to a Master's degree is not allowed to satisfy requirements. [Prior Course Work Requirement]
- With program approval, up to 6 statistics credits from a UW-Madison undergraduate degree at the 600 level or above are allowed to count toward minimum graduate degree credits. Course work earned five or more years prior to admission to a Master's degree is not allowed to satisfy requirements. [Prior Course Work Requirement]
- With program approval, and payment of the difference between special and graduate tuition, up to 15 statistics credits completed at UW-Madison while a University Special Student at the 300 level or above are allowed to count toward minimum graduate degree and graduate residence credit requirements. Of these credits, those at the 700-level or above may also count toward the minimum graduate course work (50%) requirement. Course work earned five or more years prior to admission to a Master's degree is not allowed to satisfy requirements. [Prior Course Work Requirement]

COURSE REGISTRATION FORM

Every semester all Statistics graduate students must have their course registration approved by their advisor. This [form](https://uwmadison.co1.qualtrics.com/jfe/form/SV_41qx3tbzp5MYfTD) is available online (https://uwmadison.co1.qualtrics.com/jfe/form/SV_41qx3tbzp5MYfTD). In filling out the form you will include your advisor's name and email address so that your filled-out form will be sent to them. Once your advisor approves of your course selection, they will forward it to the Graduate Coordinator.

MS EXAM

As mentioned above in the regulations (#2 competency exam) all MS students will complete the MS exam. If you intend to take the exam, please indicate this during the sign-up period, which will be announced in a future email from the graduate coordinator. **Generally, no more than twelve students may take the MS exam each semester.** Please note the date of the last day to cancel the exam without penalty if you sign up and then change your mind. The examination should be treated as confidential and candidates should ensure that no one else reads it until after the oral examinations are completed. In addition, the examination should not be discussed with anyone else until that time, unless permission is obtained from the committee to do otherwise. The only exceptions to this rule involve members of the exam committee. Please sign the honor code form on the day you receive the exam and then again at your oral exam (there are two lines on the form to be signed on the different dates). Due to confidentiality agreements with participating clients we are unable to link to past exams. The exam mimics the three problems assigned in Stat 998 so please consider those as practice.

BIOSTATISTICS DEGREE OPTION

The Biostatistics Degree Option (BDO) is a collaborative program with both the Department of Statistics and Biostatistics and Medical Informatics. Students pursue course work in theory, methodology, and application of statistics.

Master's students are required to satisfy the general requirements for their degree in Statistics with additional coursework noted below.

For BDO students, the requirements are as in the parent program, except that the two courses (6 credits) must include

- BMI/STAT 641(fall) - Statistical Methods for Clinical Trials
- And one of the following:
- BMI/STAT 642 (spring) – Statistical Methods for Epidemiology
- BMI/STAT 741 (spring) – Survival Analysis Theory and Methods
- BMI/STAT 877 (spring, biannual) – Statistical Methods for Molecular Biology

COMPLETE YOUR MASTER'S DEGREE

You will let the Graduate Coordinator know when you sign up for the MS exam what semester you are intending to graduate (current semester or next), so that they can file the appropriate paperwork with the Graduate School to request your warrant. (<https://grad.wisc.edu/documents/warrants/>).

The Graduate School has an extensive website regarding completing your master's degree including information on commencement, deadlines, etc.: <https://grad.wisc.edu/current-students/masters-guide/>.

All graduating students or those leaving the department before completing their degree are asked to fill out the departmental exit forms: <https://stat.wisc.edu/documents/statistics-ms-phd-exit-form/> and <https://stat.wisc.edu/documents/statistics-department-graduate-survey/>.

ACADEMIC EXCEPTION PETITION

Academic exceptions are considered on an individual case by case basis and should not be considered a precedent. Deviations from normal progress are highly discouraged, but the program recognizes that there are in some cases extenuating academic and personal circumstances. Petitions for course exceptions/substitutions or exceptions to the Satisfactory Progress Expectations (academic or conduct) shall be directed to the Director of Graduate Studies or relevant committee chair (example Curriculum Chair). The following procedures apply to all petitions:

1. The specific requirement/rule/expectation pertinent to the petition must be identified.
2. The student's academic advisor must provide written support for the petition.
3. All course work substitutions and equivalencies will be decided by appropriate area-group faculty or curriculum chair.

More generally, the Director of Graduate Studies, in consultation with the student's advisor, may grant extensions to normal progress requirements for students who face circumstances (similar to tenure extensions) as noted in university regulations, this includes childbirth, adoption, significant responsibilities with respect to elder or dependent care obligations, disability or chronic illness, or circumstances beyond one's personal control. Where warranted, the petition should provide good evidence of plans and ability to return to conformance with the standard and to acceptably complete the program. The normal extension will be one semester; anything beyond this will be granted only in the event of highly extraordinary circumstances. Extensions will be granted formally with a note of explanation to be placed in the student's file.

APPLICATION TO STATISTICS PHD FROM THE MS PROGRAM

August 15, 2018

General Principles: Students who successfully complete our MS program (or are very close to completion of the Program) and demonstrate sufficient aptitude to complete our PhD Program are encouraged to continue toward the PhD in our Department. Any necessary and appropriate exemptions to the timing deadlines in our Criteria for Satisfactory Progress will normally be granted. Students who already had a guarantee of support in place as an MS student will be considered for an extension to the guarantee, but new guarantees are not normally granted.

Timing: Applications for PhD student status beginning in the fall semester should be received by no later than January 1, and a decision will be made before the end of the spring semester. No applications to begin in the summer or spring term will be accepted.

Please note that students must already hold PhD student status in order to take the Qualifying Exam, based on the term for which they have applied and been admitted. This means that students who are accepted into the PhD program beginning with the fall semester are not eligible to take the Qualifying Exam until the following summer.

Application Procedure: A student currently completing the MS degree in our Department wishing to pursue the PhD here needs to complete the following. All letters should be submitted to the Graduate Student Coordinator.

1. Write a letter addressed to the chairperson of the Graduate Admissions Committee that addresses the following issues:
 - a. The student's exact status in the MS degree program. (Is s/he finished or what is left to be completed?)
 - b. The student's goals in seeking the PhD. (Any special interests or possible research objectives should be mentioned.)
 - c. (Optional) Any other information that might be helpful for the committee (not likely to be found in the student's departmental folder).
2. (Optional but recommended) Up to two letters of recommendation from UW faculty attesting to the student's promise for the PhD.

Decision Process: The Graduate Admissions Committee will consider the application. It should be noted that successful completion of the MS degree is not an entitlement to continue for the PhD. Each student's potential for success in the PhD program will be carefully evaluated. Requests will be made for additional material if this might be helpful. If the student had a guarantee of support already in place as an MS student, the decision will include a determination of whether or not the guarantee will be continued for a period of time (normally an additional three years) as a PhD student.

All questions relative to this process should be addressed to the Chairperson of the Graduate Admissions Committee and/or the Graduate Student Coordinator.

SATISFACTORY PROGRESS – CONDUCT

Students should avoid even an appearance of improper behavior or lack of ethical standards while in Graduate School at UW-Madison, in all professional settings, and in their personal lives. Students should conduct themselves according to the standards expected of members of the profession to which the student aspires. Concerns about infractions of Professional Conduct may be effectively handled informally between the instructor/advisor and the student. If a resolution is not achieved, a graduate program representative may be included in the discussion. Separate and apart from a violation of Professional Conduct, a student may face University disciplinary action with regard to the same action. Students are responsible for reading the information here as well as the information published on all the relevant web sites. Lack of knowledge of this information does not excuse any infraction.

1. **Professional Ethics:** Students shall show respect for a diversity of opinions, perspectives and cultures; accurately represent their work and acknowledge the contributions of others; participate in and commit to related opportunities; aim to gain knowledge and contribute to the knowledge base of others; understand the UW Student Code of Conduct; represent their profession and the program; and strive to incorporate and practice disciplinary ideals in their daily lives. Resumes/CVs must reflect accurate information.
2. **Honesty and Integrity:** Students shall demonstrate honesty and integrity as shown by their challenging of themselves in academic pursuits; honesty and ethics in research and IRB applications—including honesty in interpretation of data, commitment to an unbiased interpretation of academic and professional endeavors; and the need to document research activities, protect subject/client confidentiality and HIPAA regulations. Students shall follow-through and pull their weight in group activities and understand where collaboration among students is or is not allowed; not plagiarize others or past work (self-plagiarism), cheat, or purposefully undermine the work of others; and avoid conflicts of interest for the duration of their time in the program. As a professional, honesty and integrity also extends to personal behavior in life outside of the academic setting by realizing that students are representatives of the program, UW-Madison, and the profession as a whole.
3. **Interpersonal and Workplace Relationships:** Students shall interact with peers, faculty, staff and those they encounter in their professional capacity in a manner that is respectful, considerate, and professional. This includes and is not limited to attending all scheduled meetings, honoring agreed upon work schedules, being on-time and prepared for work/meetings, contributing collaboratively to the team, keeping the lines of communication open, offering prompt response to inquiries, and employing respectful use of available equipment/technology/resources. Chronic or unexplained absences are unprofessional in the workplace and could be grounds for termination or removal of funding. To facilitate the free and open exchange of ideas, any criticism shall be offered in a constructive manner, and the right of others to hold different opinions shall be respected.
4. **Commitment to Learning:** Students are expected to meet their educational responsibilities at all times. Be actively prepared for class and be ready for questions and answers. Be on time for every class and always show courtesy during class or if you have to leave class early. If possible, students should notify the instructor at least one day in advance of a planned absence. Students who are unable to attend class are responsible for finding out what occurred that day and should not expect instructors to give them individual instruction. Recognizing that the pursuit of knowledge is a continuous process, students shall show commitment to learning by persevering despite adversity and seeking guidance in order to adapt to change. Students shall strive for academic excellence and pursue and incorporate all critique, both positive and negative, in the acquisition of knowledge in order to understand and respect the community in which they work.
5. **Professional Appearance:** Students shall convey a positive, professional appearance in order to represent the program in a dignified manner. Appearance includes a person's dress, hygiene, and appropriate etiquette/protocols for the environment (including safety protocols and protective clothing in environments that require them).

This graduate program, the Graduate School, and the Division of Student Life all uphold the UW-System policies and procedures in place for academic and non-academic misconduct. In addition, graduate students are held to the same standards of responsible conduct of research as faculty and staff. Furthermore, unprofessional behavior towards clients/subjects, faculty, staff, peers and public are significant issues in the evaluation and promotion of students. In turn, we hold expectations for the highest level of academic integrity and expect professional, ethical, and respectful conduct in all interactions. Students may be disciplined or dismissed from the graduate program for

misconduct or disregard for professional conduct expectations regardless of their academic standing in the program. Separate and apart from a violation of Professional Conduct, a student may face University disciplinary action with regard to the same action. Students are responsible for reading the information here as well as the information published on all the relevant web sites. Lack of knowledge of this information does not excuse any infraction.

ACADEMIC MISCONDUCT

Academic misconduct is an act in which a student (UWS 14.03(1)):

1. seeks to claim credit for the work or efforts of another without authorization or citation;
2. uses unauthorized materials or fabricated data in any academic exercise;
3. forges or falsifies academic documents or records;
4. intentionally impedes or damages the academic work of others;
5. engages in conduct aimed at making false representation of a student's academic performance; or
6. assists other students in any of these acts.

Examples of academic misconduct include but are not limited to:

1. cutting and pasting text from the Web without quotation marks or proper citation;
2. paraphrasing from the Web without crediting the source;
3. using notes or a programmable calculator in an exam when such use is not allowed;
4. using another person's ideas, words, or research and presenting it as one's own by not properly crediting the originator;
5. stealing examinations or course materials;
6. changing or creating data in a lab experiment;
7. altering a transcript;
8. signing another person's name to an attendance sheet;
9. hiding a book knowing that another student needs it to prepare for an assignment;
10. collaboration that is contrary to the stated rules of the course; or
11. tampering with a lab experiment or computer program of another student.

Additional information regarding Academic Misconduct:

- Graduate School Policy & Procedure: Misconduct, Academic: <https://grad.wisc.edu/documents/misconduct-academic/>
- Dean of Students Office: Information for Students: Why should I know about academic misconduct? How do I avoid academic misconduct? What happens if I engage in academic misconduct? What should I do if I know a classmate is cheating? <https://conduct.students.wisc.edu/academic-integrity/> (near bottom)
- Dean of Students Office: Academic Misconduct Flowchart: <https://conduct.students.wisc.edu/documents/academic-misconduct-flow-chart/>
- University of Wisconsin System: Chapter UWS 14: Student Academic Disciplinary Procedures: https://docs.legis.wisconsin.gov/code/admin_code/uws/14

NON-ACADEMIC MISCONDUCT

The university may discipline a student in non-academic matters in the following situations:

1. for conduct which constitutes a serious danger to the personal safety of a member of the university community or guest;
2. for stalking or harassment;
3. for conduct that seriously damages or destroys university property or attempts to damage or destroy university property, or the property of a member of the university community or guest;
4. for conduct that obstructs or seriously impairs university-run or university-authorized activities, or that interferes with or impedes the ability of a member of the university community, or guest, to participate in university-run or university-authorized activities;
5. for unauthorized possession of university property or property of another member of the university community or guest;
6. for acts which violate the provisions of UWS 18, Conduct on University Lands;
7. for knowingly making a false statement to any university employee or agent on a university-related matter, or for refusing to identify oneself to such employee or agent;
8. for violating a standard of conduct, or other requirement or restriction imposed in connection with disciplinary action.

Examples of non-academic misconduct include but are not limited to:

1. engaging in conduct that is a crime involving danger to property or persons, as defined in UWS 18.06(22)(d);
2. attacking or otherwise physically abusing, threatening to physically injure, or physically intimidating a member of the university community or a guest;
3. attacking or throwing rocks or other dangerous objects at law enforcement personnel, or inciting others to do so;
4. selling or delivering a controlled substance, as defined in 161 Wis. Stats., or possessing a controlled substance with intent to sell or deliver;
5. removing, tampering with, or otherwise rendering useless university equipment or property intended for use in preserving or protecting the safety of members of the university community, such as fire alarms, fire extinguisher, fire exit signs, first aid equipment, or emergency telephones; or obstructing fire escape routes;
6. preventing or blocking physical entry to or exit from a university building, corridor, or room;
7. engaging in shouted interruptions, whistling, or similar means of interfering with a classroom presentation or a university-sponsored speech or program;
8. obstructing a university officer or employee engaged in the lawful performance of duties;
9. obstructing or interfering with a student engaged in attending classes or participating in university-run or university-authorized activities;
10. knowingly disrupting access to university computing resources or misusing university computing resources.

Additional information regarding Non-Academic Misconduct:

- Graduate School Academic Policies & Procedures: Misconduct, Non-Academic:
<https://grad.wisc.edu/documents/misconduct-nonacademic/>
- Dean of Students Office: Non-Academic Misconduct Standards Statement:
<https://conduct.students.wisc.edu/nonacademic-misconduct/>
- Dean of Students Office: Non-Academic Misconduct Process:
<https://conduct.students.wisc.edu/nonacademic-misconduct/nonac-procedures/>

- University of Wisconsin System: Chapter UWS 17: Student Non-Academic Disciplinary Procedures: https://docs.legis.wisconsin.gov/code/admin_code/uws/17
- University of Wisconsin System: Chapter UWS 18: Conduct on University Lands: https://docs.legis.wisconsin.gov/code/admin_code/uws/18

RESEARCH MISCONDUCT

Much of graduate education is carried out not in classrooms, but in laboratories and other research venues, often supported by federal or other external funding sources. Indeed, it is often difficult to distinguish between academic misconduct and cases of research misconduct. Graduate students are held to the same standards of responsible conduct of research as faculty and staff. The Graduate School is responsible for investigating allegations of research misconduct. This is often done in consultation with the Division of Student Life as well as with federal and state agencies to monitor, investigate, determine sanctions, and train about the responsible conduct of research. For more information, contact the Associate Vice Chancellor for Research Policy, 333 Bascom Hall, (608) 262-1044.

Please see section on “Grievance Procedures and Misconduct Reporting” for further information on reporting research misconduct of others. Here are links for additional information regarding Research Misconduct and

Responsible Conduct:

- Graduate School Policies & Procedures: Responsible Conduct of Research: <https://grad.wisc.edu/documents/responsible-conduct-of-research/>
- Office of the Vice Chancellor for Research and Graduate Education’s - Office of Research Policy: Introduction & Guide to Resources on Research Ethics: <https://research.wisc.edu/compliance-policy/research-ethics/>
- Office of the Vice Chancellor for Research and Graduate Education’s Office of Research Policy: Policies, Responsibilities, and Procedures: Reporting Misconduct: <https://kb.wisc.edu/gsadminkb/page.php?id=34486>
- Office of the Vice Chancellor for Research and Graduate Education’s Office of Research Policy: Policies, Responsibilities, and Procedures: Responsible Conduct of Research Resources: <https://kb.wisc.edu/gsadminkb/search.php?cat=2907>

INTELLECTUAL PROPERTY

Graduate students should seek to understand their rights and obligations related to intellectual property, including how patents and copyrights protect their work and when invention disclosure policies apply. This is especially important if there are special considerations related to external funding sources.

Faculty and instructors should discuss these topics with graduate students, making IP education part of their research culture. Graduate programs should keep abreast of educational opportunities on the topic of intellectual property and inform their graduate students and faculty about these.

The primary campus resource for intellectual property policy and information is the Office of the Vice Chancellor for Research and Graduate Education’s website, <https://research.wisc.edu/intellectual-property/>. Additionally, the Graduate School Office of Professional Development plans to maintain a collection of online resources (not available at the time of handbook publication) aimed at highlighting intellectual property topics of interest to graduate students.

DISCIPLINARY ACTION AND DISMISSAL

Failure to meet the program's academic or conduct expectations can result in disciplinary action including immediate dismissal from the program. If a student is not making satisfactory progress in regard to academic or conduct expectations, the advisor will consult with the program committee to determine if disciplinary action or dismissal is recommended.

Possible Departmental Disciplinary Actions

- Written reprimand
- Denial of specified privilege(s)
- Imposition of reasonable terms and conditions on continued student status
- Removal of funding
- Probation
- Restitution
- Removal of the student from the course(s) in progress
- Failure to promote
- Withdrawal of an offer of admission
- Placement on Leave of Absence for a determined amount of time
- Suspension from the program for up to one year with the stipulation that remedial activities may be prescribed as a condition of later readmission. Students who meet the readmission condition must apply for readmission and the student will be admitted only on a space available basis. See the Graduate School Academic Policies & Procedures: Readmission to Graduate School: <https://grad.wisc.edu/documents/readmission/>
- Suspension from the program. The suspensions may range from one semester to four years.
- Dismissal from the program
- Denial of a degree

Depending on the type and nature of the misconduct, the Division of Student Life may also have grounds to do one or more of the following:

- Reprimand
- Probation
- Suspension
- Expulsion
- Restitution
- A zero or failing grade on an assignment on an assignment/exam
- A lower grade or failure in the course
- Removal from course
- Enrollment restrictions in a course/program
- Conditions/terms of continuing as a student

STUDENT HEALTH AND WELLNESS

UW-Madison has a holistic resource for all things wellness called "UWell". The site includes information and opportunities for wellness for your work/school, financial, environmental, physical, emotional, spiritual, and community. Go to <https://uwell.wisc.edu/>.

Students who pay segregated fees are eligible for University Health Services (<https://www.uhs.wisc.edu/>).

There is no charge to students for many basic services including counseling sessions, because services are paid through tuition and fees. Personal health and wellness services are also available in addition to medical services.

SECURING HEALTH INSURANCE COVERAGE

Graduate students who hold an appointment as an assistant of 33.33% or more or who have a fellowship may be eligible for health insurance and other benefits beyond University Health Services. Contact the staff benefits and payroll coordinator in the unit where you have been hired to select one of several health care plans within 30 days of your hire date. Please note that MSDS students are not allowed to hold a tuition remitting position.

Graduate students without an assistantship or fellowship who are currently enrolled can use the services of University Health Services (UHS), the campus health clinic. Many services are provided at no extra cost, including outpatient medical care during regular business hours, Monday through Friday. UHS is located in the Student Services Tower at 333 East Campus Mall, 608-265-5000. For more info, visit the UHS web site at <https://www.uhs.wisc.edu/>.

Prescription medications, emergency room visits and hospitalization are not included in UHS benefits. Therefore, supplemental insurance covering these drugs and services is recommended for all students and is required for international students. The UHS Student Health Insurance Plan (SHIP) is an excellent option for many students. Contact the SHIP office at 608-265-5600 for more information.

DISABILITY INFORMATION

Students with disabilities have access to disability resources through UW-Madison's McBurney Disability Resource Center. As an admitted student, you should first go through the steps to apply for accommodations at <https://mcburney.wisc.edu/apply-for-accommodations/>.

Additional [non-academic] disability campus resources (not found through the McBurney Center) can be found at <https://mcburney.wisc.edu/> (under other resources).

The UW-Madison Index for Campus Accessibility Resources can be found at <https://www.wisc.edu/accessibility/>.

MENTAL HEALTH RESOURCES ON AND OFF CAMPUS

University Health Services (UHS) is the primary mental health provider for students on campus. UHS Counseling and Consultation Services offers a wide range of services to the diverse student population of UW-Madison. They offer immediate crisis counseling, same day appointments and ongoing treatment. Go to <https://www.uhs.wisc.edu/mental-health/> or call 608-265-5600.

UHS service costs are covered for students through tuition and fees.

There are many mental health resources throughout the Madison community, but UHS Counseling and Consultation Services is the best resource for referrals to off-campus providers. Call 608-265-5600 for assistance in finding an off-campus provider.

GRIEVANCES AND APPEALS

If a student feels unfairly treated or aggrieved by faculty, staff, or another student, the University offers several avenues to resolve the grievance. Students' concerns about unfair treatment are best handled directly with the person responsible for the objectionable action. If the student is uncomfortable making direct contact with the individual(s) involved, they should contact the advisor or the person in charge of the unit where the action occurred (program or department chair, section chair, lab manager, etc.). Many departments and schools/colleges have established specific procedures for handling such situations; check their web pages and published handbooks for information. If such procedures exist at the local level, these should be investigated first. For more information see the Graduate School Academic Policies & Procedures: Grievances & Appeals: <https://grad.wisc.edu/documents/grievances-and-appeals/> and the Guide "Grievance and Appeals" section: <https://guide.wisc.edu/graduate/statistics/statistics-ms/statistics-statistics-ms/#policiestext>.

Within the department of Statistics MS and PhD students can reach out to the following people:

- Sara Rodock (rodock@wisc.edu), Senior Student Services Coordinator
- Dr. Bret Larget (bret.larget@wisc.edu), Director of Graduate Studies
- John Schuppel (john.schuppel@wisc.edu), Graduate Program Coordinator