

Graduate Student Handbook

Master of Science Program in Applied
Statistics

School of Mathematics and Statistics



2026-2027

August 2026

Dear SMS Master's Students,

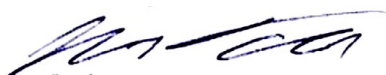
Welcome to the 2026-2027 academic year at Rochester Institute of Technology! The School of Mathematics and Statistics is pleased to have you as a student. We hope you will enjoy your time here, learn a great deal, and professionally benefit from your studies with us. The objective of our graduate program in Applied Statistics is to provide you with the capability to apply statistical models and methods to study various problems that arise in industry, government, and business.

This student handbook has been specially prepared to provide current information about the degree program and RIT in general. We have included information about the nature of our program, admission requirements, application process, graduation requirements, facilities, and other related matters.

Please feel free to come to us with comments or suggestions. We have always benefited from student input, and we are pleased that there is a strong bond between the students and the faculty in the school. Stop by the office (or send us an email and ask for a Zoom meeting), and we will be delighted to talk with you. One of the most important things in all of graduate school is to make connections with your faculty and fellow students, as the friendships and connections you make here can last a lifetime!

All our best wishes for successful studies and success both inside and outside of the classroom.

Cheers,



Josh Faber
Professor & Head, SMS

August 2025

Dear Students,

The School of Mathematics and Statistics at Rochester Institute of Technology is proud to offer a Master of Science degree in Applied Statistics. RIT is known for its commitment to experiential learning through its student-centered research and career education programs. Our degree program reflects that philosophy through its flexible education pathways allowing students to select elective courses and conduct a culminate research project. We are delighted that you are joining our community of scholars.

In the following pages, you will find details about the program, requirements, application process, graduation requirements, facilities, and other related matters. As you read through this handbook, if you have any questions or concerns, please feel free to contact me. You may also use our web site, <http://www.rit.edu/science/sms>, to obtain more information about our school and the program.

Sincerely,

Teresa B. Gibson

Teresa B. Gibson, PhD
Director of M.S. Program in Applied Statistics
Professor of Practice
School of Mathematics and Statistics
tbgsma@rit.edu

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Introduction and Objective

The School of Mathematics and Statistics at the Rochester Institute of Technology offers a Master of Science degree program in Applied Statistics. The program addresses the need for the education and training of people in the areas of statistics that can be used effectively to deal with problems encountered in business, industry, and government.

The program is designed to introduce students to advanced applied statistics methodology and to realize the potential for that methodology as a general tool in the study of a variety of problems in business, industry, and government. In addition, the program emphasizes the computational tools available for solving various problems. Students will explore the use of computers as an aid in problem-solving. One of the ways this will be achieved is by the application of existing software packages in appropriate courses, and in project work.

The Program

The master's degree program in Applied Statistics consists of 30 semester credit hours of study divided into core courses, program electives and a capstone project or thesis. The core courses provide the necessary background and foundational material for some of the important areas of applied statistics and introduce students to some of the general tools of applied statistics. In addition, students select electives in the programs. For the Capstone Project/Thesis requirement, each student presents ideas and solutions to a specific statistical problem and applies or adapts existing methodologies to solve a problem.

The MS program in Applied Statistics is available to both full- and part-time students with courses available both on-campus and online. Cooperative education is optional. The program is intended for students who do not wish to pursue a degree beyond the MS. However, a number of students have attained doctorate degrees at other universities.

Core Courses

There are (3) three core courses for a total of (9) nine semester credit hours. These courses will usually be taken in the first year of study and provide students with a focus on some of the ideas of applied statistics. Core courses are offered every year. The following are the core courses:

Core Course	Description
STAT 631 Foundations of Statistical Theory and Inference	This course introduces principles of probability and statistics with a strong emphasis on conceptual aspects of statistical inference. Topics include fundamentals of probability, probability distribution functions, expectation and variance, discrete and continuous distributions, sampling distributions, confidence intervals and hypothesis tests.
STAT 641 Applied Linear Models- Regression	This course investigates how a response variable is related to a set of predictor variables. Regression techniques provide a foundation for the analysis of observational data and provide insight into the analysis of data from designed experiments. Topics include happenstance data versus designed experiments, simple linear regression, the matrix approach to simple and multiple linear regression, analysis of residuals, transformations, weighted least squares, polynomial models, influence diagnostics, dummy variables, selection of best linear models, nonlinear estimation, and model building.
STAT 642 Applied Linear Models- ANOVA	This course introduces students to analysis of models with categorical factors, with emphasis on interpretation. Topics include the role of statistics in scientific studies, fixed and random effects, mixed models, covariates, hierarchical models, and repeated measures.

Electives

In addition to the core courses, each student will complete an additional 18 semester credit hours by taking a set of specialized courses from a variety of graduate courses offered in the School of Mathematics and Statistics and other departments. The **program electives** are listed in Appendix C.

First Year of Graduate Study

In a student's first year of study in the program, the following is a guideline of coursework to complete. It is generally recommended that full-time, on-campus students take 9 credits per semester. Note that many alternatives are possible depending on timing of initial enrollment and course availability, concentration, and elective course requirements.

Fall:	Core 1, Core 2, Elective 1
Spring:	Core 3, Elective 2, Elective 3

Capstone/Thesis/Project Requirement

The course of study culminates in a research project. For the capstone/project requirement, an open-ended problem is explored that prepares the student for work in an industrial setting by synthesizing graduate-level statistical knowledge and computational techniques. The thesis requires that each student present original ideas and solutions to a statistical problem.

Capstone/Project Option

Project elective requirements

Students completing the project option are required to complete six (6) graduate elective courses for a total of eighteen (18) credits of graduate electives.

Project research credits

All students must enroll in a total of three (3) credits of STAT 790 (Capstone Thesis/Project). These credits should be completed in one semester, the final semester of their program of study, with few exceptions. While enrolled in these credits, students work closely with their Project Adviser on the statistical problems of their choice. Students should be mindful of the problem they select to address when choosing elective courses so that the courses naturally lead to and provide much of the information necessary for studying the problem. (For students who are also professionals, the topic chosen may be related to a problem that would arise from the student's workplace.)

Students will be provided with information on how and when to submit their project idea to the STAT 790 course coordinator. Once the project is reviewed by faculty and is approved, students are enrolled in STAT 790.

Research and Thesis credits are given grades of "R" (registered) or "U" (unsatisfactory). Grades of "U" will be given if the Project Adviser indicates that satisfactory progress has not been made; in these cases, Research and Thesis credits carrying "U" grades must be repeated. Regularly scheduled meetings can be used by the Project Advisor to monitor and encourage student progress.

In addition to the grades described above, projects are considered using a Course Rubric by their Project Advisor. The rubric will be provided to students with the project requirements.

Project presentation and submission

In the semester when enrolled for the project course, the student will submit a draft of the project (mid-term), make a project presentation to faculty and other students (approximately Week 12/13), and submit a final document (approximately Week 14 or 15) by the dates specified each semester.

Final project submission

Once the project is passed and all corrections incorporated, each student must submit the final document to the MS Director and the Course Coordinator (via MyCourses). Once the Director has confirmed receipt of the final project, the student is finished with the requirement.

Continuation of thesis

For complete details of the Continuation of Thesis policy, see Part IX of Section D12.0 of the Institute Policies and Procedures Manual at <https://www.rit.edu/academicaffairs/policiesmanual/d120>.

Thesis Option

Thesis elective requirements

Students completing the thesis option are required to complete five (5) graduate elective courses for a total of fifteen (15) credits of graduate electives.

Students completing the thesis option must enroll in a total of six (6) credits of STAT 790 (Research and Thesis). These credits are typically spread across the final two semesters of study, three (3) credits in each term.

If a student wishes to pursue the thesis option, they will be provided with information about requirements for thesis research, the thesis defense, enrollment requirements and courses, submission policies, and formation of a thesis project committee. Students interested in the thesis option should indicate their interest very early in their program of study. The thesis option must be approved by the MS Program Director in advance of the final year of study.

Human Subjects/Institutional Review Board

If a student wishes to use or collect data containing information about or from Human Subjects, prior approval of the study protocol may be required. RIT operates its own Institutional Review Board (IRB). See the Human Subjects Research Office web page <https://www.rit.edu/hsro/> for more information. If IRB approval is required, the student should start on this process 3 months before the beginning of the term in which they are conducting the research.

Degree Requirement Summary

In summary, the MS Program in Applied Statistics (capstone/project option) is structured in the following way:

Core Courses	Graduate Electives	Thesis/Project
3 courses = 9 credits	6 program electives = 18 credits	3 research credits

Each student will normally take all three (3) core courses and the research credits in the School of Mathematics and Statistics. Six (6) program electives are chosen from the list in Appendix C (18

credits). However, up to six (6) semester credits of coursework may consist of transfer credit or may be taken in other RIT departments, subject to approval by the MS Program Director. At a minimum, students will take at least 24 out of the required 30 credits as core courses, program electives (Appendix C) and Capstone Thesis/Project (STAT 790); *any credits taken outside of these courses must be approved in advance by the MS Program Director.*

MS IN APPLIED STATISTICS PROGRAM OF STUDY FORM

School of Mathematics and Statistics	Checklist for MS Graduation Requirements	
Student:	UID:	
Faculty Adviser:	Date:	Major: APPSTAT-MS
Thesis/Project Adviser:	Thesis/Project Advisory Committee:	

Min sch: 30

Last Checked:

Area	Cr	Grade	Notes
CORE COURSES			9 sch
1:	3		
2:	3		
3:	3		
ELECTIVES			18 sch
1:	3		
2:	3		
3:	3		
4:	3		
5:	3		
6:	3		
RESEARCH			3 sch
STAT 790 Research and Thesis	3		

Additional Notes

Cooperative Education Option

The optional cooperative education (co-op) program may be used to gain valuable industrial or business experience as well as financial support while the student is enrolled in the graduate program. Co-ops are optional, zero (0) credit experiences for students in the MS in Applied Statistics.

Admission Requirements

Applicants should have a baccalaureate degree with a cumulative grade point average of 3.0 or above out of 4.0 (or its equivalent) from an accredited institution. The degree can be in statistics, mathematics or any other field.

Core courses in the MS Program rely on prerequisite knowledge in calculus, programming, and probability and statistics. Most of these courses are required for undergraduate programs in such areas as statistics, mathematics, science, engineering, and computer science. Applicants should have earned at least B's in undergraduate coursework in these areas.

Any student who has not had the prerequisite courses or equivalent industrial experience or has earned grades lower than B's in any of the prerequisite courses may be given conditional admission and be required to complete "bridge" courses selected from among the existing undergraduate courses (or courses such as STAT 614) as prescribed by the MS Program Director. Until the time these requirements are completed, the student would be considered a non-matriculated student. In those cases, where a student took the prerequisite courses many years earlier with no subsequent work related to statistics or mathematics, provisional admission may be given with the expectation that the student earns a B average in the first three graduate courses taken in the program. The MS Program Director evaluates students to determine eligibility for conditional and provisional admission.

See <https://www.rit.edu/study/applied-statistics-ms#admission> for additional Application Details.

The Bridge Program

Students who require additional mathematics or statistics background for graduate coursework in the MS program in Applied Statistics may take advantage of the Bridge Program. Courses at RIT and other universities can be used in the Bridge Program. Bridge Program courses are not counted for credit in the program. **Note:** Matriculated graduate students will be charged graduate tuition for any courses they take at RIT. This includes undergraduate courses.

Information for non-Matriculated Students

A student with a bachelor's degree from an approved undergraduate school and having the background necessary for specific courses may take graduate courses as a non-matriculated student with the permission of the MS Program Director and the instructor. Courses taken for credit usually may be applied toward the master's degree if the student is formally admitted to the graduate program at a later date. However, the number of credits that will be transferred to the degree program from courses taken at Rochester Institute of Technology as a non-matriculated student will be limited to a maximum of 9 semester credits.

Transfer Credits

A student may be eligible to transfer a maximum of six (6) semester credits for graduate-level courses taken elsewhere. The MS Program Director will evaluate the transcripts to determine whether transfer credit should be given.

Part-time and Online Students

The MS program is ideal for practicing professionals who are interested in applying mathematical methods in their work and in enhancing their career options. The graduate program normally may be completed in three years (six semesters) of part-time study.

International Students

Each graduate department at RIT has identified minimal English Language test scores for accepting students. For the MS Program in Applied Statistics, international students must achieve minimum English Language test scores as noted in <https://www.rit.edu/study/applied-statistics-ms#admission>, have the language requirement waived by Admissions for appropriate reasons, or receive a favorable recommendation from RIT's English Language Center.

Students who do not satisfy any of these requirements may be admitted on a conditional basis, with the requirement of successfully completing a prescribed plan of coursework at the English Language Center prior to enrolling in any MS program courses.

Course Administration

Policies regarding course registration, withdrawal, and repetition; grades needed for program credit; transfer credit; and full-time equivalency are given below. See RIT Policy D03.0 regarding course registration <https://www.rit.edu/policies/d030>.

Course Registration

Students are responsible for registering for courses. Online registration via the **Student Information System (SIS)** (<http://sis.rit.edu>) is available toward the end of each preceding semester; first-year students should register for courses by late June or early July whenever possible. The Program Assistant can help first-year students with any issues associated with registering for approved courses. Students should register only for courses included in their approved plans of study. Any desired changes must be discussed and approved by the MS Program Director prior to registration.

Course Withdrawal

Students should discuss any course withdrawal with the MS Program Director before withdrawing. If a student withdraws from a course during the Add/Drop period specified in RIT's Academic Calendar, the course will not be listed on the student's semester grade report or permanent record. After the Add/Drop period is over, courses dropped will appear on the semester grade report and will remain on the student's permanent record. If the course is dropped no later than the last day to drop from classes with a grade of "W" as specified in RIT's Academic Calendar (typically Friday of the

11th week of classes), the course will appear with a grade of “W”. After this date it is not possible to withdraw from a course except in extraordinary circumstances that should be discussed with the MS Program Director.

Minimum Course Grade to Satisfy a Program Requirement

Per RIT policy, students must attain a grade of C or higher for a graduate course to count as satisfying a program requirement. Thus, courses where a grade of C- or lower is earned cannot be used to satisfy a requirement of the program. However, the course grade is included in calculating grade point average (GPA). If the course is mandatory, it must be repeated, as described below. For more information on RIT’s grade policies, see <https://www.rit.edu/policies/d050>.

Repeating a Course

Per RIT policy, for graduate students, approval from the dean or dean’s designee of the student’s home academic unit is required for any graduate courses a student wishes to take a second time.

If permission to take a course a second time is granted, the grades of all courses attempted count in calculating the graduate cumulative GPA. In addition, a graduate program GPA manually calculated by the academic unit is used for degree certification and must be at least 3.0 (“B” average) as a graduation requirement. All academic program course attempts are included in this calculation. See <https://www.rit.edu/policies/d050>.

Graduate Probation and Suspension

Any matriculated graduate student whose program cumulative GPA falls below a 3.0 (“B” average) at any time after completing at least 9 semester credit hours is placed on probation and counseled by the Program Director (or designee). These students are required to raise their program cumulative GPA to the 3.0 level within the next 9 semester credit hours; otherwise, they are suspended from the graduate program.

See the detailed policy for additional information (<https://www.rit.edu/policies/d051#ii-academic-probation-and-suspension>).

Any suspended student may apply for readmission and may be readmitted upon demonstration of sufficient and valid reason for readmission. The decision to readmit a student on probation or suspension is made by the Head of the School of Mathematics and Statistics. Any contracts negotiated and signed as a condition of readmission are binding.

Applying Previous Graduate Course Credits

At the discretion of the Program Director, graduate-level coursework completed at another institution or taken in another RIT graduate program may be transferred and applied toward the MS degree. Approved transferred coursework is included in the student’s plan of study, which indicates the specific requirements transferred courses are deemed to satisfy. Such classes must be listed on the plan of study as they appear on the other school’s transcript, using that school’s numbering (if any), course name, credit hours (in semesters), and grade awarded. Pass/fail courses may not be used to satisfy course requirements.

Transfer credit for any coursework earned before matriculating in the MS program should be requested through application to the Program Director during the first year. Graduate courses taken at RIT before enrolling in the MS program can be transferred in the same manner. Courses taken at other institutions after beginning the MS program can be transferred only if included in the student's plan of study approved by the Program Director prior to taking any such courses.

Transfer credit is subject to RIT policies limiting the total number of credit hours that can be transferred.

Full-time Equivalency

RIT considers graduate-level students to be full-time in every academic term in which they are enrolled for at least 9 credit hours. In certain instances, with approval of the Program Director, a full-time equivalency may be granted for such activities as dissertation research, research or teaching assistantships, and internships. This may require enrollment in credit-bearing coursework.

Application Process

Applications for admission are accepted and processed on a rolling basis throughout the year.

Applying through Graduate Enrollment Services

The student should request official transcripts from previous institutions that the student attended. The student should arrange for two letters of recommendation to be sent with the application. Also, the student should submit a current resume or curriculum vitae and a personal statement of educational objectives.

For general information and an on-line application form, see the RIT Graduate Enrollment Services page at <https://www.rit.edu/study/applied-statistics-ms#admission>.

Once an applicant's file is complete, it will be forwarded to the School of Mathematics and Statistics. The acceptance of the student will be determined by the MS Program Director, based on the recommendation of faculty who review the student's file.

Application Process for BS/MS Option

Undergraduate students in certain School of Mathematics and Statistics programs can enter an accelerated BS/MS option. See the BS/MS program web page for additional information <https://www.rit.edu/study/combined-accelerated-bachelors-masters>.

Advising

Upon admission into the program, the student will be assigned a Faculty Adviser. The role of a Faculty Adviser is to help answer any questions and address any concerns the student may have about the program, coursework, research project, etc.

The Faculty Adviser, potentially in conjunction with other faculty members, will assist the student in

appropriate courses and will oversee the academic aspects of the student's program. During the first year, the student, in consultation with the Faculty Adviser, should fill out the Program of Study Form included in this handbook. This will help each student chart a clear plan for their program of study.

Graduation Requirements

The general requirements for the MS degree in Applied Statistics are the same as in the Graduate Bulletin (see <https://www.rit.edu/policies/sectionD/D12.html>). These requirements, in summary, are the following.

- A. Successfully complete all required courses of the university and the college. All grades must be recorded and any outstanding Incomplete ("I") grades must be resolved.
- B. A program cumulative grade point average of 3.00 (a "B" average).
- C. A minimum of 30 credit hours of graduate-level coursework, as per New York State regulations, is required for the master's degree. At least 80% semester credit hours of graduate level course work and research (courses numbered 600-900) are required to be earned in residence at the university.

Exception: External master's degree programs allow for varying amounts of acceptable graduate transfer credits and thus the residency requirement may be decreased, as approved by the Graduate Council and provost. Other exceptions pertaining to a group of students must be approved by the Graduate Council.
- D. Each degree granting program shall reserve the prerogative to require a thesis when appropriate. The thesis requirement may be waived and replaced by other appropriate research or comparable professional achievement as an integral part of the graduate program.
- E. Full payment or satisfactory adjustment of all financial obligations.

The Dean of the College of Science and the faculty of the School of Mathematics and Statistics may be petitioned, in extraordinary circumstances, to review and judge the cases of individual students who believe the spirit of the above requirements have been met yet fall short of the particular requirement. If the petition is accepted and approved by the faculty, Dean, and Provost and Vice President for Academic Affairs, a signed copy will be sent to the registrar for inclusion in the student's permanent record.

Seven-year Rule: Normally, the student shall complete requirements within seven years of the time of initial registration for graduate study. The purpose of the seven-year requirement in graduate programs is to ensure currency of coursework at the time of graduation, and to deal with extenuating circumstances that may have prevented timely completion of degree.

Other details related to the seven-year rule, including extension policies, are described in <https://www.rit.edu/policies/sectionD/D12.html>.

Note: a failure to enroll in courses for more than 3 consecutive terms (including summer), even if the terms fall within the seven-year time frame, will result in discontinuation in the fourth term.

RIT Non-Discrimination Statement

RIT will not discriminate in terms and conditions of employment, admission, and participation in programs or residential life. It prohibits discrimination, harassment, and retaliation of all types on campus, or at any RIT activities off campus, by its administrators, faculty, staff, students and student organizations, and external organizations and individuals in their operations with RIT.

The Title IX Coordinator has overall responsibility for the university's institutional compliance with Title IX and oversees all concerns related to sex discrimination. Any person with a concern about the university's handling of a particular matter related to sex or gender-based discrimination or harassment should contact:

Stacy DeRooy
Executive Director of Title IX and Clery Compliance
Title IX Coordinator
171 Lomb Memorial Drive
Rochester, NY 14623
585-475-7158
Stacy.DeRooy@rit.edu
rit.edu/titleix

Any person may report sex discrimination, including sexual harassment, in person, by mail, by telephone, or by electronic mail, using the contact information listed for the Title IX Coordinator, or by any other means that results in the Title IX Coordinator receiving the person's verbal or written report. Reports may be made regardless of whether the person reporting is the alleged victim of any conduct that could constitute sex or gender-based discrimination or harassment. Reports may be made at any time (including during non-business hours) by calling the telephone number noted above, by electronic mail, by mail to the office address listed for the Title IX Coordinator, or by filing a report on line with RIT's Title IX Office.

The U.S. Department of Education, Office for Civil Rights (OCR) is a federal agency responsible for ensuring compliance with Title IX. OCR may be contacted at 400 Maryland Avenue, SW, Washington, DC 20202-1100, 800-421-3481.

Facilities

Wallace Center

The Wallace Memorial Library (<http://library.rit.edu>) is a high-technology, multimedia resource center containing more than 700,000 items. Services include interlibrary loans, computerized literature, searching of databases, and class instruction. Each RIT college has a Reference Librarian to serve as liaison. The College of Science liaison is Dr. Adwoa Boateng (http://infoguides.rit.edu/prf.php?account_id=43305); she can be contacted for consultation and assistance related to research needs.

Computing Services

The RIT computing environment includes support provided by Information and Technology Services. Every enrolled RIT student receives a username and password that may be used to access computer laboratories, library services, and assistance to connect student computers to RIT's network for Internet access and communicate with others electronically. Students can contact the Information & Technology Services at (585) 475-HELP (4357) or visit <http://start.rit.edu> for assistance and service support.

Students also have access to programming and simulation languages, graphics software, and design tools on a variety of platforms.

Faculty and Staff Profiles

A list of the names of the Graduate MS Applied Statistics faculty leadership is given in Appendix A.

A list of staff members is provided in Appendix B. The list includes the roles in which each staff member supports SMS graduate students.

Miscellaneous Information

Course Meeting Times

Graduate course meeting times can be found on the Student Information System, located at <http://sis.rit.edu>.

Communication

The MS Program Director is **Dr. Teresa B. Gibson**. Her office is in Hugh L Carey Hall, room HLC-2235. Her email address is tbgsma@rit.edu.

Email is the primary mode of communication used to contact students. Every enrolled student has an email account and is strongly advised to check for email messages **daily**.

Automatic Withdrawal

A student will be withdrawn from the program if

- (i) the student fails to register for any courses for three successive semesters;
- (ii) the student has not registered for capstone/thesis work within one year after completing the coursework; or
- (iii) the student has completed the minimum credit requirements for the program, has not yet successfully defended and submitted the thesis, and is not registered for Continuation of Thesis.

Students in danger of being withdrawn are advised to see their Faculty Adviser as well as the MS

Program Director.

Enrollment

Enroll for courses via the **Student Information System (SIS)** located at <http://sis.rit.edu>.

Enroll for research and thesis credits by applying through the STAT 790 Course Coordinator (Dr. Nonhle Channon Mdziniso).

Note: Students who are matriculated in a degree or certificate program, or who are making application to one, should check with their Faculty Adviser before enrolling to make sure that the course(s) for which they plan to register fulfill the degree or certificate requirements of their program. In addition, certain courses may have prerequisites or restrictions placed on them.

RIT considers graduate-level students to be “full time” in every academic term in which they are enrolled for at least 9 credit hours. In certain circumstances, with approval of the MS Program Director, a full-time equivalency may be granted for such activities as thesis work, teaching assistantships and internships. This may require enrollment in credit-bearing coursework.

Authorship

At times, students may wish to be an author of academic products such as abstracts and manuscripts. Please familiarize yourself with the definition and responsibilities of an author within the field of publication or submission (what does and what does not constitute authorship). One such definition is published by the ICMJE: <https://www.icmje.org/recommendations/browse/roles-and-responsibilities/defining-the-role-of-authors-and-contributors.html#two>.

Appendix A: Statistics Faculty Leadership

Role	Name
Head of the School of Mathematics and Statistics	Dr. Joshua Faber
Associate Head of Applied Statistics	Dr. Mihail Barbosu
Program Director, MS Program in Applied Statistics	Dr. Teresa Gibson
Program Coordinator, Undergraduate Program in Applied Statistics	Dr. Carly Metcalfe

Appendix B: Staff

Name	Title	Support Role for Graduate Students
Kate Koch	Student & Administrative Support Specialist	Handles teaching assistantships
Sue Powell	Senior Staff Assistant	Helps students with enrollment and handles payroll matters for student employees
Alisa Hall	Senior Staff Assistant	Supports the SMS Head and the MS and Advanced Certificate programs in Applied Statistics

Appendix C: STAT Graduate MS Program Electives

STAT-611 Statistical Software
STAT-621 Statistical Quality Control
STAT-661 Bayesian Statistical Methods
STAT-670 Design of Experiments
STAT-672 Survey Design and Analysis
STAT-675 Data Visualization & Storytelling
ISEE-682 Lean Six Sigma Fundamentals
STAT-745 Predictive Analytics
STAT-747 Principles of Statistical Data Mining
STAT-753 Nonparametric Statistics and Bootstrapping
STAT-756 Multivariate Analysis
STAT-773 Time Series Analysis and Forecasting
STAT-775 Design and Analysis of Clinical Trials
STAT-776 Causal Inference
STAT-784 Categorical Data Analysis
STAT-787 Advanced Statistical Computing

Some of the above courses may be offered only upon sufficient demand or as topics courses.

The courses may be offered in Spring, Fall or Summer terms.

Graduate courses outside of the program elective courses or transferred in from another university (up to 6 credit hours) may count as electives but must be approved in advance by the MS Program Director.