

# MS Graduation Requirements, CQAS

## Purpose

The purpose of these requirements is two-fold:

1. To specify explicitly the graduation requirements, so as to avoid confusion for students, faculty, and administrators.
2. To discourage a student from taking additional classes for credit when it is clear the student's chance of graduation is slim.

## Requirements

A Plan of Study form, available [www.rit.edu/kgcoe/cqas](http://www.rit.edu/kgcoe/cqas) under Academics, MS in Applied Statistics must be filled out within the first five weeks of matriculation into the program.

1. Completion of 45 credits, as follows:
  - a) Core courses:
    - i) Seven courses (21 credits): 0307-742, 801, 802, 821, 822, 841, and 842.
  - b) Career-option courses. Four courses from one of the career options offered by the department (12 credits). See the Graduate Bulletin or the CQAS website for a listing of career options and their courses. (With departmental approval, a student may request another set of four courses that are consistent with a career option.)
  - c) Capstone/Electives/Thesis/Project
    - i) The capstone course (3 credits) and either three other CQAS courses (9 credits), or fewer courses and a thesis or project that total 9 credits. With departmental approval, up to 9 credits may be earned from non-CQAS courses.
2. At least 24 credits must be obtained from courses (including thesis or project credits) at the 800-level.
3. If you are a full-time student, you must register for and attend the 0307-895 statistical seminar course in fall, winter, and spring quarters of your first year. This is a 0-credit course that is graded on a pass-fail basis.
4. Overall program GPA of 3.0 or higher. See definition of "Program GPA".
5. Completion of all core courses within the first 30 credit hours of the degree. Exceptions to this requirement will be granted only when CQAS scheduling (not lack of planning from a student) prevents the student from meeting this requirement.
6. No more than two grades of C or lower in distinct courses in the program (*CQAS requirement*).
7. Institute rules for probation and suspension apply if a student's program GPA falls below 3.0—the student must raise this GPA to at least 3.0 within the next 12 credits of graduate coursework attempted (excluding withdrawals). If this GPA is still under 3.0, the student will be suspended from the program.
8. Completion of course work within seven years. (Rare exceptions are granted to this requirement, but the Graduate Council must approve them.)

## Definition of Program GPA

"Program GPA" for CQAS is defined to include:

1. Grades for all CQAS courses that were taken prior to matriculation and that are eligible for transfer into the MS program, whether or not the student chooses to use them. See Examples 1, 2, 3, and 4.
2. Grades for all CQAS courses during and after the quarter of matriculation. This includes all grades, including grades of D and F for courses that the student has taken, even if the student receives permission to retake the course and is assigned a second grade.<sup>1</sup> See Examples 5 and 6.
3. Grades for courses from other departments at RIT, in which the course has been approved as part of the student's MS program. See Example 7.
4. (In cases where the student has not met the requirement of an overall program GPA of 3.0 or higher after 45 credit hours, and with permission of the department) Grades for courses taken after 45 credit hours.

Courses from other universities that are accepted for transfer credit into the MS program are counted toward the total number of credits, but are *not* included in the Program GPA.

## Examples

1. A student receives a C in 721 while in the certificate program, graduates from the certificate program, and applies and is accepted into the MS program.
  - The 721 course and the grade are applied to the MS program.
2. A student receives a C in 721 before matriculating into the MS program. The course was not used toward another degree.
  - The 721 course and the grade are applied to the MS program.
3. A student earns a B in 802 while getting an MBA, and uses this course for his MBA.
  - Although this course was used toward another degree, it is a required course in our program. The grade is included in the program GPA.
4. A student earns a C in 721 as part of his undergraduate degree.
  - Courses applied toward an undergraduate degree, including our own courses, cannot be credited in our program, so the grade is not included in the Program GPA. (An exception to this rule, for certain courses, occurs for students in a BS/MS program with CQAS.)
5. A matriculated student gets a D in 821, then retakes it and gets a B. (Note: the student *must* retake this, because course credit is not given for a D grade and the course is required.)
  - Both grades are included in the program GPA
6. A matriculated student receives a grade of D in a non-required course. She argues that since it is not a required course, she should be able simply to ignore that course and take another course instead.
  - The course counts toward her program GPA; the course cannot simply be ignored. However, because it is not required, another course may be taken to fulfill the 45-credit requirements of the program.
7. A student has asked for, and receives, approval from CQAS to take a course in marketing from the College of Business, and use this toward his MS degree. The student receives a grade of C.
  - The course and grade count toward the student's MS degree.

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<sup>1</sup> Grades of D or F do not count toward the fulfillment of program requirements (Institute PPM, D5.0.B). A course may be repeated only with the approval of the dean or designee.