

## REQUIREMENTS (EFFECTIVE FOR STUDENTS ENTERING FALL 2022 & ONWARD)

Description of the M.S. Program

**Students may choose one of the two plans described below to graduate:**

### **Plan 1: Thesis-based M.S.**

Students must prepare a thesis based on original research using the NYU Dissertation formatting requirements.

#### **I. Formal Coursework**

Students must satisfactorily complete 32 points (minimum of 24 points while in residence at New York University) derived from courses and research maintaining a cumulative GPA of 3.0 or greater. 20 of the points must be earned in lecture-based courses. Courses outside the department may be acceptable but require approval from the Director of Graduate Studies (DGS). In addition to the 20 points of lecture-based courses, students are required to complete the following two classes:

- CHEM-GA 2673 *Professional Development in the Sciences*: fall semester of Year 1
- CHEM-GA 3010 *Graduate Seminar*: fall semester of Year 2
- CHEM-GA TBD *Thesis Seminar*: spring semester of Year 2

#### **II. Colloquium Attendance**

Departmental colloquia and seminars are held each semester of the academic year. Graduate students are expected to attend these on a regular basis throughout their graduate school career. Students must attend a minimum of ten (10) colloquia/seminars prior to graduation. Students must submit a colloquium/seminar attendance form for their attendance to be counted.

#### **III. Requirements by Year**

##### **YEAR 1 – FALL SEMESTER**

**Orientation**: During orientation week, which is held prior to the beginning of the Fall semester, students receive guidance on course selection and the requirements of the program.

**Coursework**: During the Fall Semester, students typically register for and complete 8-12 credits worth of course work (a W is not acceptable under these guidelines). Exceptions to

this rule must be approved by the DGS. Students are also required to take the zero-credit course *Professional Development in the Sciences* (CHEM-GA 2673).

## **YEAR 1 – SPRING SEMESTER**

**Coursework:** Students typically register for and complete 8-12 credits worth of course work and enroll for a section of “Research” (CHEM-GA 2931). The Research section allows the student to pursue research in greater depth. Research is a credit-bearing academic course and, as such, students will receive a grade for Research from their thesis advisor based on their research performance during the semester.

**Thesis lab selection.** By the end of the 4<sup>th</sup> week in the spring semester, students should decide on a thesis lab to carry out their thesis research. Upon selecting an advisor, students must complete the [Master’s Thesis Adviser Selection Form](#) and submit it to the Graduate Program Administrator.

### **Year 1 Evaluations:**

- After the end of the spring semester, the Graduate Program Administrator will review all grades of students in academic courses and Research. Students with an overall GPA < 3.0 will be notified that this is below the requirement of the M.S. program. In these cases, students will be placed on academic probation and warned that failure to achieve the GPA and grade requirements will result in dismissal from the program.

## **YEAR 2 – FALL SEMESTER**

**Coursework:** During the Fall Semester of Year 2, students should work toward the completion of remaining course work and register for Research credits to reach a total of 32 points needed for graduation. As in Year 1, Research is regarded as an academic course, and students receive a grade for Research from their thesis advisor. In addition, students must register for Graduate Seminar, a course designed to give students the opportunity to present a seminar in front of the department and to attend seminars presented by their peers (CHEM-GA 3010). Graduate Seminar should not be confused with the weekly Departmental Colloquia.

## **YEAR 2 – SPRING SEMESTER**

**Coursework:** During the Spring Semester of Year 2, students should complete remaining required academic courses and enroll in the Thesis Seminar class. During this course, students will complete their thesis which will be approved by their thesis advisor and the instructor of record for the course.

## **IV. Miscellaneous**

**Submission of Forms:** Students are responsible for the submission of all required forms at the above outlined deadlines to the graduate office of the chemistry department. A link to all forms is above:

- [Graduate Student Forms](#)

**Cheating and Scientific Fraud:** It is expected that all students will maintain the highest standards of scientific integrity. Cheating and fraud, including any form of plagiarism, copying, collusion on exams, or data falsification, will not be tolerated at any point in your graduate career. Students found guilty of any infractions can expect to be placed on departmental probation at the very least and/or dismissed from the program.

**Departmental Citizenship:** The department functions only as well as its individual members. Students are expected to behave as good departmental citizens. This means showing up on time for meetings, attending as many Friday colloquia as possible (even those outside your field of study – you might just learn something!), and being on time for exams.

**Petitions:** In selected cases of hardship (medical etc.), a student can petition the graduate committee to delay an exam or waive a deadline. These petitions must be approved prior to the deadline of the exam/deadline in question. Petitions should be submitted in writing to the Director of Graduate Studies.

## Plan 2: Course-based M.S.

### I. Formal Coursework

Students must satisfactorily complete 32 points for graduation (minimum of 24 points while in residence at New York University). 30 points are derived from graduate lecture courses and 2 points are derived from the mandatory 2-credit course CHEM-GA 3010, Graduate Seminar. Students must maintain a cumulative GPA of 3.0 or better. Courses outside the department may be acceptable but require approval from the Director of Graduate Studies (DGS). The following are required courses:

- CHEM-GA 2673 *Professional Development in the Sciences*: fall semester of Year 1
- CHEM-GA 3010 *Graduate Seminar*: fall semester of Year 2

### II. Colloquium Attendance

Departmental colloquia and seminars are held each semester of the academic year. Graduate students are expected to attend these on a regular basis throughout their graduate school career. Students must attend a minimum of ten (10) colloquia/seminars prior to graduation. Students must submit a colloquium/seminar attendance form for their attendance to be counted.

### III. Requirements by Year

#### YEAR 1 – FALL SEMESTER

**Orientation**: During orientation week, which is held prior to the beginning of the Fall semester, students receive guidance on course selection and the requirements of the program.

**Coursework**: During the Fall Semester, students typically register for and complete 8-12 credits worth of course work (a W is not acceptable under these guidelines). Exceptions to this rule must be approved by the DGS. Students are also required to take the zero-credit course *Professional Development in the Sciences* (CHEM-GA 2673).

#### YEAR 1 – SPRING SEMESTER

**Coursework**: Students typically register for and complete 8-12 credits worth of course work

#### **Year 1 Evaluations**:

- After the end of the spring semester, the Graduate Program Administrator will review all grades of students in academic courses and Research. Students with an overall GPA < 3.0 will be notified that this is below the requirement of the M.S. program. In these cases, students will be placed on academic probation and warned that failure to achieve the GPA and grade requirements will result in dismissal from the program.

## YEAR 2 – FALL SEMESTER

**Coursework:** During the Fall Semester of Year 2, students should aim to complete remaining course work for graduation. In addition, students must register for Graduate Seminar (CHEM-GA 3010). In the Graduate Seminar course, students must research an important topic of chemistry from the literature (the topic must be agreed on by the instructor of record for the seminar course), identify 3-5 publications that describe cutting edge research in the chosen topic, prepare and present a 45-minute seminar on the chosen topic in a public setting, followed by a Q&A session from the audience. This literature review, followed by a presentation, is viewed as the capstone requirement for this plan. Graduate Seminar should not be confused with the weekly Departmental Colloquia.

## YEAR 2 – SPRING SEMESTER (if needed)

**Coursework:** During the Spring Semester of Year 2, students should complete remaining required academic courses.

## IV. Miscellaneous

**Submission of Forms:** Students are responsible for the submission of all required forms at the above outlined deadlines to the graduate office of the chemistry department. A link to all forms is above:

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