

M.S. Degree Requirements Worksheet
Agricultural & Environmental Chemistry Graduate Group

Name: _____ **Acad. Advisor:** _____ **Date:** _____
 BS School: _____ Major: _____ Date: _____

A. Prerequisites

Organic Chemistry: Required to have equivalent of courses CHE 128 A, B, and C

	School	Course #	Term/Year	Grade
128 A or equiv.	_____	_____	_____	_____
128 B or equiv.	_____	_____	_____	_____
128 C or equiv.	_____	_____	_____	_____

Physical Chemistry: Required to have equivalent of courses CHE 107 A and 107 B; or CHE 110 A, B, and C

	School	Course #	Term/Year	Grade
107 A/110 A or equiv	_____	_____	_____	_____
107 B/110 B or equiv	_____	_____	_____	_____
110 C or equivalent	_____	_____	_____	_____

Inorganic Chemistry or Biochemistry: Required to have equivalent of course CHE 124 A; or BIS 102 and 103

	School	Course #	Term/Year	Grade
124 A or equiv.	_____	_____	_____	_____
or BIS 102 or equiv.	_____	_____	_____	_____
BIS 103 or equiv.	_____	_____	_____	_____

B. Placement Exams

Required to score above 50% on ACS examinations in physical chemistry and either inorganic or organic chemistry. The General Chemistry exam is required if you would like to qualify for a TA position in the Chemistry Department.

Physical Chemistry:

	Overall	Percentages		
Percentile		110 A	110 B	110 C
Exam Date:	_____	_____	_____	_____
Exam Date:	_____	_____	_____	_____
Notes:	_____	_____	_____	_____

Organic Chemistry:

	Overall	Percentages		
Percentile		128 A	128 B	128 C
Exam Date:	_____	_____	_____	_____
Exam Date:	_____	_____	_____	_____
Notes:	_____	_____	_____	_____

Inorganic Chemistry:

	Overall
Percentile	
Exam Date:	_____
Exam Date:	_____
Notes:	_____

General Chemistry:

	Overall
Percentile	
Exam Date:	_____
Exam Date:	_____
Notes:	_____

Name: _____ Acad. Advisor: _____ Date: _____

C. Core Courses (6-8 units)

C.1. ETX 220 and 220L; or CHE 219 (with 219L strongly recommended); or VEN 223

Course: _____ Grade: _____ Qtr/Yr: _____ Units: _____
Course: _____ Grade: _____ Qtr/Yr: _____ Units: _____

C.2. CHE 233 or CHE 226

Course: _____ Grade: _____ Qtr/Yr: _____ Units: _____

D. Statistics

If no prior undergraduate-level statistics, must take STA 100 or STA 102

Course: _____ Grade: _____ Qtr/Yr: _____ Units: _____

If prior undergrad statistics, take one from STA 106, STA 108, STA 137, STA 205, STA 223, ECS 124, PLS 205, or PLS 206

Course: _____ Grade: _____ Qtr/Yr: _____ Units: _____

E. Specialization and Emphasis

At least 3 lecture courses with a strong chemistry emphasis, including at least 2 graduate level courses

Course #	Course Name	Grade	Quarter	Year	Units

F. Unit Requirements

Total graduate coursework units, not including seminars or 299 (at least 12 required): _____

Total all upper division and graduate coursework units, including seminars and 299 (at least 30): _____

Notes: _____

G. Seminars

First-year seminar requirements (list quarter and year)

Meet the Faculty: _____ Presenting a Seminar/Colloquium: _____ Journal Club: _____

Ag Chem seminar (list quarters and years): _____

(Seminar is required every registered qtr) _____

Date _____ Academic Advisor _____

H. Completed all course/seminar requirements for MS

I. Exit Seminar (list qtr and year): _____

Agricultural & Environmental Chemistry Graduate Group
Notes on MS Degree Requirements. See the AGC website for additional information.

A. Prerequisites

Coursework deficiencies should be made up by the end of the first academic year by earning a "B" or better.

B. Placement Exams

You are required to take placement exams in physical chemistry and either inorganic or organic chemistry. Exams should be taken before the beginning of your first Fall quarter.

Record the results of all tests, regardless of score, on the worksheet.

If you fail a required exam (i.e., score below the 50th percentile), talk with your Academic Adviser. There are two options:

- (1) Take the exam again and pass it. Depending on your exam scores, you might want to first take (or audit) one or more of the courses that correspond to the exam material.
- (2) Take the course(s) corresponding to the failed exam material. For example, if you fail the Organic exam by scoring at the 40% percentile, with percentages of 60% for the 128 A questions, 49% for the 128 B questions, and 20% for the 128 C material, then you need to take CHE 128 B and 128 C. In some cases it might not be possible to get a breakdown of an exam's results to specific classes. In this case you need to take all of the courses in the sequence. In some cases results might only correspond to part of the required course sequence (e.g., if results are only reported for 128 A and 128 B). In this case, as long as you passed one of the sections you do not need to take the course corresponding to the course with no reported results (but you do need to take the course corresponding to any section you failed).

If you twice fail the exam for a given subject (e.g., Organic) you must take the course(s) corresponding to the portions you did not pass, as described in (2) above.

Students who would like to qualify for a TA position in the Chemistry Department must pass the General Chemistry exam.

C. Core Courses

You must take one course in chemical separations and analysis (ETX 220 and 220L; or CHE 219 (with 219L strongly recommended); or VEN 223

You must also take a course in chemical reaction mechanisms, either CHE 233 or CHE 226.

D. Statistics

If you have not had prior undergraduate statistics, you need to take STA 100 or STA 102.

If you have had prior undergraduate statistics, you need to take one of the following: STA 106, STA 108, STA 137, STA 205, STA 223, ECS 124, PLS 205, or PLS 206.

E. Specialization and Emphasis

You are required to take at least 3 lecture courses with a strong chemistry emphasis. At least two of the courses must be graduate level; see also the overall unit requirement for graduate coursework below.

F. Unit Requirements

MS students are required to have at least 12 units of graduate coursework, not including seminars or 299, and at least 30 units of all coursework, including seminars and 299.

G. Seminar

Every quarter that you are registered you need to satisfactorily complete seminar (AGC 290) when it is offered.

In the first year you need to take 3 additional seminars: (1) Meet the Faculty (Faculty Research Seminar), (2) Mechanics of Presenting a Seminar, and (3) Journal Club.

MS students are required to present at the Winter Colloquium in their 2nd year and, if not finished with their degree, their 3rd year.

H. Completed all course/seminar requirements for MS

Congratulations - you're almost there!

I. Exit Seminar

You are required to give a 50-min exit seminar, preferably (but not necessarily) as part of AGC 290.