

Tuskegee University
College of Arts and Sciences
Master of Science (MS) in Chemistry

Contact Information: Dr. Melissa S. Reeves, Graduate Coordinator; mreeves@mytu.tuskegee.edu;
Ph.: +1 (334) 727-8237

Degrees Offered: Master of Science (M.S.) in Chemistry, Regular Thesis

* For additional information please refer to the Graduate Handbook.

The Department of Chemistry at Tuskegee University offers a Master of Science degree program. The M.S. program includes a research thesis in major areas of chemistry (analytical, biochemistry, inorganic, nanobiotechnology, organic, physical, and polymer chemistry) as well as required graduate-level courses from these areas. The combination of core and elective courses, seminar, and research credits combine to make 30 credit hours required for the M.S. degree.

Admission Requirements:

- Applicants must have completed the B.S degree from a department of approved standing and granted by an accredited college or university in chemistry or a related area.
- Prerequisite academic work should provide evidence that the application shall be able to pursue the graduate course effectively; in particular, the undergraduate chemistry courses, calculus, and physics must be present at an acceptable level.
- Applicants must also have a cumulative GPA of 3.0 or better.
- The minimum acceptable combined GRE score is 1000 (old) or 300 (new).
- Official Transcript from all colleges/universities attended (International Students must have transcripts translated through World Education Services –WES or equivalent).
- Completed [Application](#) along with the required amount of application fees.
- Three Letters of Recommendation.
- Statement of Purpose.
- GRE Scores.
- Financial Affidavit (International Students –only).
- Test of English as Foreign Language (TOEFL) Scores (International students only).

Core Courses (12 credits): Required for All Students in the M.S. program

CHEM 0513: Advanced Inorganic Chemistry – 3credits

CHEM 0541: Instrumental Analysis – 3 credits

CHEM 0622: Advanced Organic Chemistry – 3 credits

CHEM 0635: Special Topics in Physical Chemistry – 3 credits

Elective Courses (10 credits): Determined by Student's Major Professor

Elective courses may be any 500 or 600 level course at Tuskegee University. We recommend six or fewer to be taken outside the chemistry department.

The full list of courses in Chemistry may be viewed in the [University Bulletin](#), or [here](#) on the Department of Chemistry web page.

Qualifying Examinations

All students must pass four exams in the areas of General Chemistry, Organic Chemistry, Analytical Chemistry, and Physical Chemistry. The four exams are designed to prove a comprehensive understanding of undergraduate level chemistry. These exams are offered once per semester.

Seminars (2 credits)

Students must take two semester of Graduate Seminar (CHEM 651/2) and give two departmental seminars.

Research Credits (6 credits)

All students must complete a thesis under the direction of a research advisor. All students must complete six credits of research toward the completion of the thesis.

Language Requirement

All Chemistry M.S. students must demonstrate a language proficiency (not English) either by exam or coursework. A computer programming language is an acceptable alternative language.

Teaching Requirement

All Chemistry M.S. students must be involved in the undergraduate teaching endeavor for a minimum of 3 hours per week each semester. It is the philosophy of the department that teaching and interacting with students is an essential part of the growth of the M.S. student.

Admission to Candidacy

Immediately after completing 9 credits of course work at Tuskegee University, the student must submit to the Dean of Graduate Studies, a completed application for the Candidacy for the degree.

Thesis

The final draft of the thesis must be filed with the student's Advisory Committee at least 30 days before the date listed in the university calendar for final copies to be submitted during the semester in which the student expects to graduate. The student must present to the Dean of Graduate Programs a "Preliminary Approval Sheet" (PAS) bearing the signature of the Major Professor before the final oral examination may be scheduled and before copies of the thesis/dissertation are distributed to members of the Examining Committee.

After the "Preliminary Approval Sheet" has been signed, it should be submitted to the Dean of Graduate Programs before the final examination is scheduled and before the final draft of the thesis/dissertation is prepared for final approval. Approval of the thesis/dissertation in its final form rests with the Examining Committee.

[Department of Chemistry Faculty and Staff](#)

Additional details that are not shown in this handout may be found in the [University Bulletin](#) or in the [TU Graduate Handbook](#) and [Graduate Studies website](#).