

Graduate Admissions Information

For more information about the Master of Science in Chemistry, please complete this card and return it to us.

Name _____

Address _____

City _____ State _____ Zip _____

Telephone (home) _____ Telephone (work) _____

E-mail _____

Bachelor's Degree (College, Year Awarded) _____

Undergraduate Major _____

Check as many as apply.
Please send:

Application materials for the Master of Science in Chemistry

The SCSU Graduate Catalog

The schedule of courses for the up-coming semester

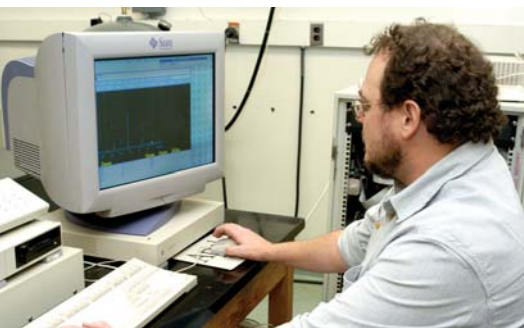
Other _____



Master of Science in Chemistry



Advancing our agenda for excellence.



Anyone who has ever taken a chemistry course knows that chemistry is a fundamental part of life. From our homes to our automobiles, our children's playgrounds and even crime scenes, from the air we breathe and the water we drink to sports drinks, food products, and medications—chemistry touches every aspect of life.

Southern Connecticut State University offers graduate programs for chemists working in the field to enhance their academic credentials and thereby their career and research opportunities, and for students who wish to gain expertise and credentials to pursue further academic study.

The Master of Science in Chemistry allows specialization in the six general areas of study: analytical chemistry, physical chemistry, organic chemistry, inorganic chemistry, environmental chemistry and biochemistry. Completion of the core elements of the curriculum will allow students to become versed in all the specializations. However, each student, together with a faculty adviser, selects one area for more in-depth study and focus whether through continued coursework or research activities.

Program Description

The Master of Science in Chemistry program consists of 30 credits (or approximately 10 courses), including core courses, electives, and either a thesis or a comprehensive exam. To begin, students must complete six core courses in advanced organic chemistry, advanced physical chemistry, advanced inorganic chemistry, advanced analytical chemistry, advanced biochemistry, and advanced environmental chemistry. From there, students may choose to specialize in one of those six areas.

Students who choose the master's thesis track complete a total of 21 or 24 credits of coursework and then develop a thesis based upon experimental research approved by the department. The thesis is equiv-

alent to 6 or 9 credits, for a total of 30 credits, and students must apply to defend their thesis in the first week of the semester in which they anticipate completing the work.

Those who choose a comprehensive exam complete the entire 30 credits of coursework. The exam is designed to test knowledge and understanding of the various areas of chemistry studied. The exam is typically given during final exam week of the fall and spring semesters

The Master's Degree program with Teacher Certification is designed for students whose bachelor's degree is in either liberal arts or education. Students must complete the prerequisites of the graduate chemistry program, the 30 credits of graduate study, and an additional 24 credits required by the School of Education. Some of the education credits may have been taken as part of an undergraduate curriculum.

The core courses are offered on a two-year rotating basis and the electives offered on a rotating schedule, as well. Students are required to complete the program in six years and to maintain a 3.0 grade point average throughout the program.

Admissions Requirements

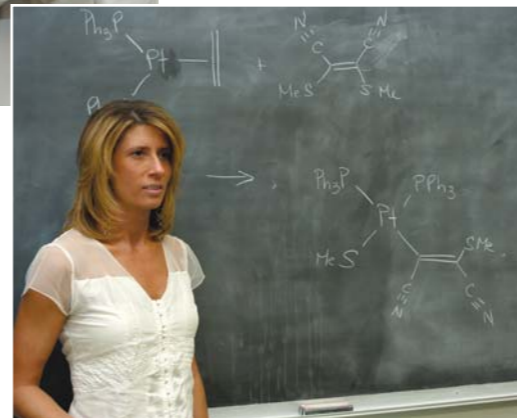
Applicants to the graduate programs in chemistry must have completed a bachelor's degree in chemistry, including one full year of calculus-based physical chemistry and two semesters of physical chemistry laboratory work. In addition, although the graduate school requires a *minimum* 2.5 grade point average on a 4.0 scale, the chemistry department requires a grade point average of 3.0. At the discretion of the department, some students may be accepted for a probationary period to complete up to nine credits. To become fully matriculated, those probationary students must receive a *minimum* grade point average of 3.0

The teacher certification program has additional requirements established by the School of Education and based on the certification requirements of the State of Connecticut.

How to Apply

It is best to contact the graduate program coordinator to begin the application process. Acceptance into the chemistry program is twofold, requiring acceptance into both the School of Graduate Studies and the chemistry program.

The School of Graduate Studies application is available on the Web site at www.SouthernCT.edu/grad. Upon request, the School of Graduate Studies will mail a hard copy of the application to you, as well.



In addition, applicants must request that official transcripts from all previously attended undergraduate and graduate programs be sent to the Graduate School. They must also complete the application and enclose a \$50 check made payable to SCSU. Mail to:

Dean, School of Graduate Studies
Southern Connecticut State University
Engleman Hall B110
501 Crescent Street
New Haven, CT 06515-1355

Faculty

All faculty members in the chemistry department hold doctorates in their field. Their areas of expertise represent the traditional specializations of chemistry and their collective experience encompasses a wide range of prior corporate and industrial experience. All faculty members are actively engaged in research projects, which provide students with the opportunity to participate in some of the most interesting current research in the field.

Careers

The graduate degree programs in chemistry prepare students to work in nearly any industry in both research and management positions, or to teach chemistry at the high school level.

Graduates of the program work in biotechnology, pharmaceuticals, manufacturing, hospitals, and other related areas. Most of the students in the program are already working full time in the chemical industry and are seeking career advancement, greater responsibility, and greater compensation. More students than ever are seeking teacher certification, recognizing the vast need for high school level chemistry teachers and the great career opportunities now available in the field. Further information regarding the programs of study, areas of faculty research, and exact course requirements can be found on the departmental home page www.SouthernCT.edu/departments/chemistry

Contact Information

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