



Undergraduates

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Chemistry (B.A., B.S.)

The Chemistry major builds on a base of chemistry, physics, mathematics, and computer science to provide the student the opportunity to develop essential theoretical and practical skills in the subdisciplines of organic, physical, inorganic, analytical, and macromolecular chemistry. Typically, the practice of chemistry in industry deals with the synthesis, analysis, and control of the many materials used in our technological society.

The Chemistry program at UTD is designed to instruct the student in how chemical experiments are performed, how results are interpreted, and through its integrated laboratory sequence, to emphasize the importance of one subdiscipline in solving problems inherent to another. Meeting these goals, the Chemistry program provides the student with the flexibility to enter industry, go on to graduate school, or pursue medical, dental, and other degrees in the health sciences.

Degrees

The Chemistry major may choose a program leading either to the B.A. or B.S. degree. The latter degree sequence has been approved by the American Chemical Society's Committee on Professional Training.

B.A. Program

The B.A. program offers the minimum fundamental knowledge required for adequate professional function in a career in chemistry. It is possible that students choosing this option may, through suitable use of unspecified hours, prepare for careers in areas as varied as chemistry-related businesses, government, medicine and dentistry, secondary school teaching, and even law or politics.

B.S. Program

The B.S. program provides more intensive training in chemistry for the student who intends either to obtain employment at the bachelor's level in the chemical industry or to pursue graduate study.

Bachelor of Arts or Bachelor of Science in Chemistry Degree Requirements (B.S. 122 hours; B.A. 121 hours)

I. Core Curriculum Requirements ¹: 42 hours

A. Communication (6 hours)

3 hours Communication (RHET 1302)

3 hours Communication Elective (NATS 4310)²

B. Social and Behavioral Sciences (15 hours)

6 hours Government (GOVT 2301 and 2302)

6 hours American History

3 hours Social and Behavioral Sciences Elective

C. Humanities and Fine Arts (6 hours)

3 hours Fine Arts (ARTS 1301)

3 hours Humanities (HUMA 1301)

OF RELATED INTEREST

[B.S. Biochemistry](#)

D. Mathematics and Quantitative Reasoning (6 hours)

6 hours Calculus (MATH 2417 and 2419)^{2,3}

E. Science (9 hours)

Introductory Chemistry (CHEM 1311, 1111, 1312, 1112, and 2401)³

1

Curriculum Requirements can be fulfilled by other approved courses from accredited institutions of higher education. The courses listed in parentheses are recommended as the most efficient way to satisfy both Core Curriculum and Major Requirements at U.T. Dallas.

2

A required Major course that also fulfills Core Curriculum requirements. If hours are counted in the Core Curriculum, students must complete additional coursework to meet the minimum requirement for graduation. Course selection assistance is available from the undergraduate advisor.

3

Hours above the Core Curriculum requirement are counted as part of the Major Preparatory Courses.

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II. Major Requirements: B.S. 57 hours; B.A. 56 hours

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Major Related Courses (B.S. 22 hours; B.A. 21 hours)**Bachelor of Arts (18 hours beyond the Core Curriculum)**

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Bachelor of Science (19 hours beyond the Core Curriculum)

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III. Elective Requirements: 18 hours

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Minor in Chemistry

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Updated: March 20, 2006