Chemistry AS DEGREE

Program Overview
The Associate of Science (AS) degree in Chemistry is awarded for successful completion of 60 credits in science and liberal arts. It is designed to constitute the first two years of a bachelor's degree in Chemistry.

Career Opportunities
Chemistry majors are curious, analytical and self-starting leaders. Upon completion of the Chemistry AS degree, students will have developed strong communication skills and grown in their scientific and mathematical reasoning skills as well as developed their ability to perform experiments in a hands-on environment. As graduates in Chemistry, students can choose a number of career options from technical scientific laboratory careers to education. Salaries will vary based on the chosen career path.

Program Outcomes
1. Design and conduct experiments as well as analyze and interpret the results.
2. Identify, formulate, and solve chemical and other science related problems.
3. Understand professional and ethical responsibility.
4. Apply knowledge of mathematics, science, and technology in the solution of chemical technology problems.
5. Solve science technology problems within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.

Transfer Opportunities
Saint Paul College has a transfer articulation agreement between the following program and post-secondary institution for the baccalaureate degree program listed below.

For more information please go to saintpaul.edu/Transfer.

Chemistry AS
BS Chemistry
Metropolitan State University

Program Start Dates
Fall, Spring, Summer

Course Sequence
This course sequence is recommended for a full-time student; however, this sequence is not required.

Not all courses are offered each semester; a selection of courses is offered summer term. Students should consult with the Program Faculty each semester.

First Semester
Goal 1: ENGL 1711 Composition ................. 4
Goal 1: COMM 17XX ............... 3
Goal 3: CHEM 1711 Principles of Chemistry 1 .... 4
Goal 4: MATH 2749 Calculus 1 ............... 4
Total Semester Credits . ...................... 15

Second Semester
Goal 3: CHEM 1712 Principles of Chemistry 2 .... 4
Goal 3: PHYS 2700 General Physics 1 (w/Calc) .... 5
Goal 5: History, Social Science, and Behavioral Sciences... 3
MnTC elective . .................. 3
Total Semester Credits . ...................... 15

Third Semester
Goal 3: BIOL 1740 General Biology 1: The Living Cell ...
Goal 4: Mathematical/Logical Reasoning ....... 4
MATH 2749 Calculus 1 – 4 cr
Goal 5: History, Social Science, and Behavioral Sciences .... 3
Goal 6: Humanities & Fine Arts .... 3
Goals 1-10 of the MnTC .... 8
Students must select a minimum of 8 additional credits such that courses from at least six (6) goal areas of the Minnesota Transfer Curriculum are met.
General Education Requirements . 30
Total Program Credits . ....................... 60

Minimum Program Entry Requirements
Students entering this program must meet the following minimum program entry requirements:

Reading: Score of 78+ or grade of “C” or better in READ 0722
Writing: Score of 78+ on Reading Comprehension or grade of “C” or better in ENGL 0922
College Level Mathematics: Score of 50+ or grade of “C” or better in MATH 0920

Assessment Results and Prerequisites:
Students admitted into Saint Paul College programs may need to complete additional courses based on assessment results and course prerequisite requirements. Certain MATH, READ, and ENGL courses have additional prerequisites.

Information is subject to change. This Program Requirements Guide is not a contract.