Program Overview
The Science Technician degree is designed for students who are seeking employment in a science laboratory and/or who are seeking to transfer to a four-year program.

Career Opportunities
Science technicians can work in many aspects of the laboratory process industry from basic research to clean room facility skills. Technicians operate many kinds of equipment and instrumentation, prepare samples for processing, monitor commercial production, test for product quality and collect and analyze samples. Technicians will conduct a variety of laboratory procedures, from routine process of laboratory procedures to complex research projects. A solid background in science and math along with the skills in using advanced equipment is vital for success as a Science Technician.

Program Outcomes
1. Design and conduct experiments as well as analyze and interpret the results.
2. Identify, formulate, and solve science technology 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, and 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.

Science Technician AS
BA Individualized Studies
Metropolitan State University
BS Chemistry
Metropolitan State University

Program Faculty
Travis Mills travis.mills@saintpaul.edu
Penny Starkey penny.starkey@saintpaul.edu

Program Requirements
☐ Check off when completed
Science and Engineering Core: Required

<table>
<thead>
<tr>
<th>Course</th>
<th>Cr</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOC 1730 Biochemical Laboratory Exploration</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1712 Principles of Chemistry 2</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 2730 Instrumental Analysis</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 2790 Science Technician Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 1706 Principles of Engineering</td>
<td>2</td>
</tr>
</tbody>
</table>

Subtotal: 17

Science and Engineering Focus (Select one focus area)

Chemistry
☐ CHEM 2721 Organic Chemistry 2............. 5
☐ Science or Engineering Electives........... 8

Biochemistry
☐ BIOC 2700 Biochemistry ................... 4
☐ Science or Engineering Electives........... 9

Physics
☐ PHYS 2710 General Physics 2................. 5
☐ Science or Engineering Electives........... 8

Engineering
☐ ENGR 2700 Intro to Problem Solving and    
  Engineering Design ........................... 2
☐ Science or Engineering Electives........... 11

Focus Subtotal: 13

Note: Science/engineering electives must be taken from: BIOC, BIOL, CHEM, CSCI, ENGR, NSCI, PHYS.

Consult with your advisor for information about 2, 3, and 4 credit course options.

General Education/MnTC Requirements

Refer to the Minnesota Transfer Curriculum Course List for each Goal Area

☐ Goal 1: Communication .......................... 7
  ENGL 1711 Composition 1 – 4 cr
  COMM 17XX – 3 cr

☐ Goal 2: MATH 2750 Calculus 2 ............... 4
MnTC Elective: ENGL 1712 Composition 2

Focus Area Course(s)........................... 5

Total Semester Credits ........................ 16

Fourth Semester
Goal 3: CHEM 2790 Science Tech Lab Research
  Project ................................... 3

MnTC Elective: ENGL 1712 Composition 2
  Recommended ............................... 2

Focus Area Course(s)........................... 8

Total Semester Credits ........................ 13

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.

Total Program Credits .......................... 60

This Program Requirements Guide is not a contract.