RCTC PROGRAM PLAN

SCIENCE FOUNDATIONS

Associate in Science

I. MINNESOTA TRANSFER CURRICULUM (MNTC)/ **GENERAL EDUCATION REQUIREMENTS.....**35 CREDITS Complete at least 30 credits in courses from the Minnesota Transfer Curriculum (MnTC), including all courses listed. You must complete at least one course in six of the ten goal areas. Consult with an advisor to see which

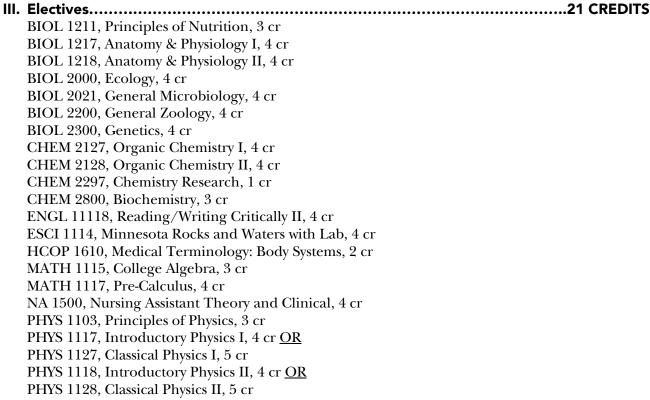
MATH and elective courses are required by your transfer institution.	
GOAL 1: WRITTEN AND ORAL COMMUNICATION	:R
GOAL 3: NATURAL SCIENCES8 C BIOL 1230, General Biology II, 4 cr CHEM 1127, Chemical Principles I, 4 cr	:R
GOAL 4: MATHEMATICS/LOGICAL REASONING4 C Select one from the list below. MATH 1090, Statway Statistics II, 4 cr MATH 1117, Precalculus, 4 cr MATH 1127, Calculus I, 5 cr MATH 1128, Calculus II, 5 cr MATH 2208, Fundamentals of Statistics, 4 cr	R
GOAL 5: HISTORY AND THE SOCIAL AND BEHAVIORIAL SCIENCES	R
GOAL 6: HUMANITIES - THE ARTS, LITERATURE AND PHILOSOPHY6 C Credits from MNTC Goal 6 – 2 areas Suggested Courses: Foreign language of your choice, 4 cr HUM 1131, Introduction to the Humanities, 3 cr PHIL 1125, Ethics, 3 cr PHIL 1135, Bioethics, 3 cr	R
GOAL 10: PEOPLE AND THE ENVIRONMENT	R
PROGRAM CORE REQUIREMENTS	٢S

CHEM 1128, Chemical Principles II, 4 cr



II.

RCTC PROGRAM PLAN



Additional options may be more appropriate for the desired transfer program.

.....60 CREDITS **TOTAL**

PROGRAM OUTCOMES:

Upon completion of the Science Foundations program at RCTC, students will achieve the following outcomes:

- Demonstrate basic knowledge and understanding of fundamental scientific principles. •
- Apply skills in analytical thinking and problem-solving to experimental and theoretical data.
- Demonstrate skills in laboratory operations including making measurements, preparing • solutions, using a microscope, operating instrumentation, designing experiments, preparing samples for various analyses.
- Provide clear and compelling data and analysis in oral and written communications including papers, posters, or presentations.
- Work both independently and collaboratively in the classroom and in the laboratory.
- Exhibit growth in academic performance and personal and professional responsibility.

ADDITIONAL NOTES:

This two-year degree includes basic science curriculum required for admission by various health science professional schools, or science transfer programs. Check with the school(s) of your choice to ensure that their specific requirements are fulfilled.

Revised: 11/12/2024 **Implementation: Fall 2025**



A member of the Minnesota State system and an affirmative action/equal opportunity college.