

# RCTC PROGRAM PLAN

## HISTOLOGY TECHNICIAN

Associate in Science

### I. MINNESOTA TRANSFER CURRICULUM (MnTC)/

**GENERAL EDUCATION REQUIREMENTS.....30 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.*

**GOAL 1: WRITTEN AND ORAL COMMUNICATION .....7 CR**

ENGL 1109, Introduction to Professional and Technical Communication, 3 cr

ENGL 1117, Reading and Writing Critically I, 4 cr

**GOAL 3: NATURAL SCIENCES .....12 CR**

BIOL 1217, Anatomy and Physiology I, 4 cr

BIOL 1218, Anatomy and Physiology II, 4 cr

CHEM 1117, General, Organic and Biological Chemistry I, 4 cr **OR**

CHEM 1127, Chemical Principles I, 4 cr

**GOAL 4: MATHEMATICS/LOGICAL REASONING.....3 CR**

MATH 1115, College Algebra, 3 cr

**GOAL 5: HISTORY AND THE SOCIAL AND BEHAVIORIAL SCIENCES .....4 CR**

PSYC 2618, General Psychology, 4 cr

**GOAL 6: HUMANITIES - THE ARTS, LITERATURE AND PHILOSOPHY .....3 CR**

PHIL 1135, Bioethics, 3 cr (**Recommended**) **OR**

PHIL 1125, Ethics, 3 cr

**MnTC General Education Electives.....1 CR**

Credits chosen from courses meeting MnTC competencies in Goal areas 1-10

**II. PROGRAM CORE REQUIREMENTS.....30 CREDITS**

HCOP 1610, Medical Terminology: Body Systems and Diseases, 2 cr

CHEM 1118, General, Organic and Biological Chemistry II, 4 cr **OR**

CHEM 1128, Chemical Principles, 4 cr

CONSORTIUM, Histology Tech core curriculum transfer, 24 cr

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

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## **PROGRAM OUTCOMES:**

Upon completion of the Histology Technician program at RCTC, students will achieve the following outcomes:

- Critically examine the foundational concepts, theories and frameworks of histology.
- Troubleshoot errors in histology through systematic reasoning and problem resolution
- Correlate tissue identification with function and related pathology
- Analyze tissue structures for quality based on histological technique and staining method
- Describe the principles of electron microscopy, enzyme histochemistry, immunohistochemistry, and cytology preparation
- Practice the principles of safety within the laboratory setting
- Demonstrate the ability to manipulate the tools appropriate for histotechnology
- Master entry level technical aptitude in all routine histological procedures
- Evaluate problems for source, cause and potential resolution
- Apply quality assurance measures to histology processes and procedures
- Assess the quality of patient samples for accuracy and precision
- Demonstrate efficiency and timely completion of assigned responsibilities
- Practice professional conduct and interpersonal communication skills
- Demonstrate the ethical role and responsibilities of a professional histology technician
- Practice critical thinking through sound judgment and decision making
- Develop professional skills as a function of personal growth
- Practice respect and concern for patient well-being (the needs of the patient come first)

Revised: 11/13/2018

Implementation: Spring 2019