

## HISTOLOGY TECHNICIAN PROGRAM AS

**Purpose:** Histology Technicians specialize in the techniques of preparing thin slices of tissue for microscopic examination by a pathologist. They must properly accession, gross, fix, process, embed, cut, stain, and troubleshoot technical issues that arise in the laboratory setting. Histology technicians operate precision equipment and work with a variety of dyes and chemicals to make tissue abnormalities visible with a microscope. Knowledge of biology, chemistry, anatomy, physiology and medical terminology is essential for the professional histology technician.

### **Award**

*Histology Technician Program A.S. Degree.....60 credits total*

*Histology Technician Program curriculum ..... 30 credits\**

*MnTC curriculum/General Education..... 30 credits*

### **RECOMMENDED FULL-TIME COURSE SEQUENCE**

*Not all courses are scheduled every semester. See course schedule: <https://eservices.minnstate.edu/registration/search/basic.html?campusid=306>.*

<b>Semester 1</b>		<b>Semester 2</b>	
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	CHEM 1118: General, Organic, and Biological Chemistry II	4 cr
Or	or	Or	or
CHEM 1127 Chemical Principle I	4 cr	CHEM 1128 Chemical Principles II	4 cr
ENGL 1109 Introduction to Professional and Technical Writing	3 cr	ENGL 1117: Reading and Writing Critically I	4 cr
HCOP 1610 Medical Terminology Body Systems and Diseases	2 cr	MATH 1115: College Algebra	3 cr
PSYC 2618 General Psychology	4 cr	PHIL 1135: Bioethics	3 cr
MnTC Elective	1 cr		
<b>Total Credits</b>	<b>18</b>	<b>Total Credits</b>	<b>18</b>
<b>Semester 3</b>		<b>Semester 4</b>	
HIST 2001 Histological Techniques I	4 cr	HIST 2005 Histochemical Staining	3 cr
HIST 2002 Histological Techniques II	5 cr	HIST 2006 Histology Clinical Rotation	4 cr
HIST 2003 Microanatomy I	2 cr	HIST 2007 Microanatomy II	2 cr
HIST 2004 Professional Development I	1 cr	HIST 2008 Professional Development II	1 cr
		HIST 2009 Histology I Enrichment	2 cr
<b>Total Credits</b>	<b>12</b>	<b>Total Credits</b>	<b>12</b>

\*Semester 3 and 4 courses are taken at Mayo Clinic School of Health Sciences.

Course descriptions can be found at: <https://www.rctc.edu/academics/courses/course-descriptions>.