There are many exciting jobs in which you can establish a career in health related professional areas. Clinical laboratory science, also known as medical technology or medical laboratory science, is available as an academic major at University of Jamestown. You will attend University of Jamestown to complete academic requirements then transfer to an affiliated institution to obtain professional training. You will obtain a Bachelor of Science degree from University of Jamestown.

About the Major
Clinical laboratory scientists are health professionals who supervise and conduct laboratory diagnostic tests on patients’ body fluids and/or tissues, assisting the physician with diagnoses and treatments. An education in this field can prepare the student for a variety of career opportunities.

Two options are available in preparing for a career in clinical laboratory science. You can plan a program so that you need not decide immediately which option you will choose. Each option includes a year of clinical internship at an accredited medical laboratory science/clinical laboratory science program and prepares you for the national certification exam.

As a member of the Western College Alliance for Medical Laboratory Science, a cooperative education program between several universities and colleges in the Midwest, University of Jamestown is affiliated with the medical laboratory science program at the University of North Dakota. The final professional year begins with a summer session at UND. Fall and spring semesters are then spent at one of many possible clinical sites. There are more than 25 clinical affiliates in North Dakota, Minnesota, and other western states.

Option A
You can complete Option A in four years, earning a bachelor of science degree from University of Jamestown with a major in clinical laboratory science. Three years are spent on campus at University of Jamestown completing prerequisite coursework and general education requirements. In the fall semester of the junior year, you apply to the affiliated medical laboratory science program. The senior year consists of 12 months of specialized medical laboratory science education, beginning with a summer session at the University of North Dakota. Fall and spring semesters are spent at one of the many clinical sites.

Option B
Option B is a five-year program. You spend four years at University of Jamestown completing a bachelor of science degree with a major in biology, chemistry, or biochemistry before entering the one-year clinical training. During the fall semester of your senior year, you may apply either to the UND program or to any accredited program nationwide to complete your professional internship.
Clinical Laboratory Science

Program Strengths
As a clinical laboratory science major at University of Jamestown, you will benefit from:

- courses and labs taught by faculty, not graduate students
- a student community which creates an atmosphere of learning and mutual success
- advisers who keep abreast of new developments to provide the best personal assistance possible
- a liberal arts tradition which provides an important perspective for a strong science background

Lab Facilities
Completed in 2013, the McKenna Thielsch Center provides state-of-the-art laboratory space for all areas of science offered at University of Jamestown. Students are challenged to develop their thinking as well as their technical skills as they relate theory to real situations.

Upper-level students are encouraged to design and conduct project-oriented experiments and to engage in research. Laboratory facilities, as well as the instructors, are available to students at times other than the scheduled lab sessions.

Curriculum Snapshot
In addition to the bachelor of science general education requirements, the following courses are required for students planning a major in clinical laboratory science:

- Introduction to Biology I and II
- Human Parasitology
- Human Anatomy and Physiology I and II
- Microbiology
- Hematology
- Immunology
- General Chemistry I and II
- Organic Chemistry I and II
- Biochemistry I or Cell Biology
- Computer Science
- College Algebra (or higher)

Clinical Locations
Recent clinical laboratory science majors have undertaken their internships at these locations:

- Jamestown Regional Medical Center
- Trinity Hospital, Minot, N.D.
- Mayo Clinic, Rochester, Minn.
- St. Cloud (Minn.) Hospital
- St. Alexius Hospital, Bismarck, N.D.
- Northern Plains Laboratory, Bismarck, N.D.
- Providence St. Vincent Medical Center, Portland, Ore.
- University of Colorado Hospital, Denver, Colo.

Career Placement
Graduates of University of Jamestown’s clinical laboratory science program have enjoyed a 100 percent placement rate for the past several years.

Faculty
Anthony Amaro, Ph.D., professor of chemistry. He teaches courses in biochemistry and organic chemistry.

Cynthia Ault, M.S., M.T. (ASCP), assistant professor of biology and chemistry. Her interests include clinical laboratory science and microbiology.

Bruce Jensen, Ph.D., professor of biology and biology department chair. His interests include molecular genetics and evolution.

Michelle Solensky, Ph.D., associate professor of biology. Her interests include animal behavior and community ecology.

Carl Steffan, Ph.D., associate professor of chemistry and chemistry department chair. He teaches physical and inorganic chemistry and quantitative analysis.

Kit Schnaars-Uvino, Ph.D., assistant professor of biology. Her interests include arctic tundra ecology.

Mika Thorlakson, D.C., assistant professor of biology and kinesiology. He teaches courses in human anatomy and physiology as well as kinesiology.

University of Jamestown does not discriminate on the basis of race, color, national origin, gender, disability, sexual orientation, or other status with respect to which discrimination would be unlawful in its programs and activities.

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