University of Jamestown has a long tradition of excellence in the sciences. In the 80 years since the chemistry major was established, the faculty has remained committed to stretching the borders of students’ minds and thoughts, to challenge and understand the very elements of the world around us. Chemistry, with its necessary logic and reasoning skills, assists in developing a well-educated individual, which is University of Jamestown’s goal.

Program Strengths

The sciences play an increasingly important role in education today. Technology is rapidly expanding, and more and more students are needed to study chemistry and related fields like environmental chemistry, biochemistry, and chemical engineering. The medical profession needs competent and dedicated physicians, dentists, and pharmacists. Chemistry and biochemistry prepare students to enter professional careers and succeed. As a chemistry or biochemistry major at University of Jamestown, you will benefit from:

- small class sizes
- personal attention from faculty invested in the success of their students
- rigorous, interesting classes in an informal setting
- research projects
- high acceptance rate into graduate or professional schools

Lab Facilities

Completed in 2013, the McKenna Thielsch Center provides state-of-the-art laboratory space for biology and chemistry courses at University of Jamestown. Students are challenged to develop their critical 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.

Options

Depending upon your interests and goals, you may elect one of two possible chemistry majors:

- For a career in industry or government, or for continuing studies in graduate school, you should elect the chemistry major.
- If your interest is biology and chemistry, biochemistry, or a medical related profession, you may choose the biochemistry major.

Majors

Chemistry
(Bachelor of Arts or Bachelor of Science)

Biochemistry
(Bachelor of Arts or Bachelor of Science)

Minors

Chemistry
Complementary Areas of Study
• biology
• business
• computer science
• mathematics

“THE BEST THING ABOUT THE CHEMISTRY DEPARTMENT AT UNIVERSITY OF JAMESTOWN IS THE PERSONAL INTEREST THE FACULTY INVEST INTO YOUR SUCCESS. THEY MADE IT THEIR MISSION TO HELP ME FIND A SUMMER INTERNSHIP AND EARN ACCEPTANCE INTO GRADUATE SCHOOL.”

Joe, who went on to Virginia Tech for graduate study in biochemistry

The Melvin R. Arnold Science and Mathematics Scholarship
The Melvin R. Arnold Science and Mathematics Scholarship is valued at $9,000 over four years, and can be combined with an academic merit-based award. Students must major in either biochemistry, chemistry or minor in chemistry along with a major in biology, mathematics, or clinical laboratory science. For more information access www.uj.edu.

Graduate and Professional School Placement
Graduates of University of Jamestown who have elected to further their studies at graduate school have been accepted to many prestigious schools including:
• Johns Hopkins School of Medicine
• Yale University
• Texas A&M
• University of Nebraska
• Montana State University
• University of Minnesota Medical School
• Creighton University Medical School
• University of North Dakota
• North Dakota State University
• University of California, San Diego
• University of Illinois at Urbana - Champaign
• Oregon State University
• Ohio College of Podiatric Medicine
• Indiana University
• Ohio State University
• Virginia Tech

Career Placement
Graduates of University of Jamestown's chemistry and biochemistry program go on to find rewarding careers in an array of areas including:
• professor of biochemistry, Cornell
• Federal Bureau of Investigation Drug Division
• research chemist, 3M
• chemical engineer, 3M
• postdoctoral position, National Institute of Standards and Technology
• head of chemical division, North Dakota State Health Laboratory
• environmental chemist, Hazelton
• medical school faculty

Faculty
Carl Steffan, Ph.D., associate professor and department chair. He specializes in inorganic chemistry and teaches physical and inorganic chemistry and quantitative analysis.
Anthony Amaro, Ph.D., professor. He teaches courses in biochemistry, organic chemistry, and toxicology.

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.

6081 College Lane
Jamestown, ND  58405
www.uj.edu