



## Bachelor of Science Degree

### University Profile

The University of Saint Francis was founded in 1890 and has a rich heritage of offering quality education. Rooted in the Catholic and Franciscan traditions of Faith and Reason, the University of Saint Francis engages a diverse community in learning, leadership and service.

The campus has 108 acres of rolling lawns and trees with 19 buildings and four residence halls that surround beautiful Mirror Lake.

Personal attention to students is what makes a USF education so meaningful and enriching to its approximately 2,000 students.

### Clinical Laboratory Science Program

The university offers a four-year bachelor's degree in clinical laboratory science. These professionals are responsible for the accurate performance of laboratory tests that determine the causal agents of disease and provide data needed to evaluate the effectiveness of treatment. The clinical laboratory profession offers challenges, personal satisfaction and opportunities to those wishing to apply scientific curiosity, technical instrumentation and problem solving skills. Career opportunities are available in hospitals, clinics, research laboratories, and private industry.

The program is offered in partnership with the Parkview Clinical Laboratory Science Program and other clinical laboratory science or medical technology programs. The student will complete the first three years on campus taking courses in humanities, behavioral sciences and natural sciences. Application and acceptance into the competitive program at Parkview or another affiliated hospital occurs during the student's junior year. The final year of the program takes place in the chosen hospital's state-of-the-art medical laboratory facilities. This program includes a balance of biology, chemistry and general education courses in addition to the clinical program, providing a well-rounded liberal education.

### Science Symposium

Twice a year for over 30 years, the university has offered a science symposium for qualified high school students to study cutting-edge topics in the fields of math and science.

This opportunity has cumulative scholarship potential for the student who chooses to matriculate to USF and major in the sciences. Past topics have included "Bird Flu", "Genetics of Alcoholism", "CSP", and "Pheromones."

### Science Seminars

All Biology, Pre-Professional, Clinical Laboratory Science (Medical Technology), Chemistry, Early Entry Physician Assistant, Environmental Science, and Secondary Education Biology/Chemistry/General Science majors attend Seminars once a week for every semester they are on campus. Seminars consist of outside speakers such as MDs, Veterinarians, Clinical Laboratory Scientists (Medical Technologists), Physician Assistants, Osteopathic Physicians, Pharmacists, Environmental Scientists, Research Biologists, Research Chemists, and others. Faculty members explain their research programs and offer students opportunities to participate directly in these projects or to propose their own research projects. Upper-level students make presentations about research they have done or internships they have completed.

There is no tuition charge for Seminars. Students are required to present at least once in their time at USF. Seminars provide an opportunity for all science majors to interact and get to know the faculty who also attend Seminars each week.

### Sample Curriculum:

The first three years of the program consist of traditional liberal arts courses on campus focusing on biology and chemistry.

### Freshman Year

Fall (17 hours)

Principles of Biology I	4
Principles of Chemistry I	4
Math (by placement)	3

iConnect	3
English Composition Seminar	3
	0

Spring (16 hours)

Principles of Biology II	4
Principles of Chemistry II	4
Literature Gen Ed Requirement	3
Fund. of Public Communication	3
Phys Ed Gen Ed Requirement Seminar	2
	0

### Sophomore Year

Fall (17 hours)

Genetics	4
Organic Chemistry I	4
Anatomy and Physiology I	3
Religion Gen Ed Requirement	3
Principles of Management Seminar	3
	0

Spring (17 hours)

Microbiology	4
Analytical Chemistry	4
Anatomy and Physiology II	3
Social Science Gen Ed Requirement	3
Society and Env Gen Ed Requirement Seminar	3
	0

### Junior Year

Fall (16 hours)

Biochemistry	3
Biotechnology Laboratory	1
Statistics	3
History Gen Ed Requirement	3
Theology Gen Ed Requirement	3
Research (Capstone Course) Seminar	3
	0

Spring (16-17 hours)

Immunology	3
Physics II	4
Phil/Ethics Gen Ed Requirement	3
Soc. Responsibility and Leadership	3

Fine Arts Gen Ed Requirement Seminar 2-3  
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Senior Year consists of a 12-month, 32-credit hour, clinical experience in the hospital setting with courses including:

- Clinical Microbiology
- Clinical Hematology
- Blood Bank
- Serology
- Urinalysis
- Parasitology
- Coagulation
- Immunohematology
- Immunology
- Histology
- Education and Management
- Orientation and Lab Practice
- Topics in Medical Technology
- Clinical Chemistry
- Special Chemistry

## Financial Aid

Financial aid is available in the form of scholarships, grants, loans, and work study. Over 95 percent of undergraduate students receive some form of financial assistance; most receive more than one type of aid. Early estimator packages are available for dependent students during the fall at [www.sf.edu/financialaid](http://www.sf.edu/financialaid).

All students are encouraged to complete the Free Application for Federal Aid (FAFSA). Priority deadline is no later than March 10.

## For More Information

Contact the Office of Admissions at 260-434-3279 or 1-800-729-4732 or visit our website at [www.sf.edu](http://www.sf.edu).

UNIVERSITY of SAINT FRANCIS