

## Health Science Pathway

The health science career pathway will provide students an exploration of health related career pathways such as Nursing, Physician Assistant, Occupational Therapist, Physical Therapist, Psychologist, Social Worker.

### Health Science Course Offerings

#### Medical Terminology

This course is designed to teach medical terminology to those who have elected to pursue a career in the allied health field. Students will learn prefixes, suffixes and root words necessary to understand and interpret medical terminology.

#### PSYC 101: Introduction to Psychology

Overview of the major areas of study within psychology: experimental psychology, physiological psychology, sensation and perception, motivation and emotion, psychology of consciousness, theories of learning, cognitive psychology, developmental psychology, social psychology, theories of personality, tests and measurements, abnormal psychology, and clinical psychology

#### PSYC 205: Psychopathology

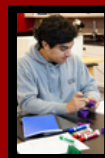
The nature of behavioral, mental, and personality disorders. This course, formerly titled Abnormal Psychology, focuses on diagnosable disorders according to the Diagnostic and Statistical Manual of Mental Disorders Fifth Edition. Categories of disorders to be covered include the following: addiction, sexual disorders, neurodevelopmental disorders, mood disorders and neurocognitive disorders among others. Discussion of physiological, mental, cultural, and interpersonal factors is emphasized.

#### PUBH 101: Intro to Public Health

This formative course serves as an overview of public health and is the initial book-end course in the major. This course is designed to give the learner the principles of population health, history, health professions, acute care institutions and public health systems, tools of public health, health informatics, preventing disease and disability, finding reliable data, basic statistical measures used in public health, social and behavioral factors, environmental issues, medical care, and the future of public health. Students will discuss the impacts of current issues in public health and study the impacts of healthcare reform.

## Student In Residence

In selected Career Development Series courses, students will be invited to attend Student in Residence Experiential Learning Day(s). The Student in Residence Series aims to complement online learning through full day, in-person learning sessions specifically designed using the inverted model of learning, where we shift from passive learning to accelerated learning to engage more demanding competencies such as analysis, synthesis, and evaluation. This day gives students an exciting engagement with the content of their course. Alternative experiences will be put in place for student unable to attend the in-person event.



# Career Development Series

2024-2025 Academic Year

The career development series gives students a deep exploration into business, health science, education, science, or technology/engineering career pathways. The rich online learning environment includes class projects, discussions, and assignments. These online courses are one semester (16 weeks) long based on the SFU academic calendar.

## Contact Information

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## Education Pathway

The education career pathway will provide students an exploration of education careers such as Teacher, Occupational Therapist, Counselor.

### Education Course Offerings

#### **EDUC 150: Educational Psychology**

This course addresses education from three perspectives: students, learning and teaching. Topics of study include human development, the psychological basis of learning and behavior, classroom management, assessment, and appropriate instructional strategies for diverse populations. Course projects and experiences incorporate multiculturalism, discipline, motivation, and teaching in the least restrictive environment.

#### **EDUC 231: Child Growth & Development**

This course addresses physical, psychological, cognitive and affective human development from birth through age 8; emphasis is placed on pre-k to age 8. Included in this course is consideration of the development of the young ELL, children with disabilities and those children who come from diverse backgrounds. Health-related issues are discussed. Clinical experiences will be provided in Head Start, pre k classrooms, elementary schools and in high schools.

## Science Pathway

The science career pathway will provide students an exploration of science careers such as Biologist, Chemist, Pre-Med.

### Science Course Offerings

#### **BIOL 105: Human Biology**

Biological principles are applied to practical understanding of body functions and the importance of exercise, nutrition, etc. Current human concerns such as AIDS, cardiovascular disease, and cancer are discussed and related to recent scientific evidence. May be used in partial fulfillment of graduation requirements in science.

#### **CHEM 105: Chemistry in the Community**

The course is designed to provide students with appreciation of chemistry and its impact on all aspects of life. Through the exploration of such environmental issues as sustainability, energy, and nutrition, the future of our world and interconnectedness of nations is analyzed. Present global issues are addressed from a chemical viewpoint.

## Technology/Engineering Pathway

The technology/engineering career pathway will provide students an exploration of technological and/or engineering career pathways such as Cybersecurity, Programming, Engineer, Robotics.

### Technology/Engineering Course Offerings

#### **CPSC 111: Introduction to Computer Science and Cybersecurity**

Intro to Computer Science and Cybersecurity will provide students with a high-level overview of the field of computer science and cybersecurity. The course will introduce basic concepts and techniques of how computers are used to help solve problems with emphasis on quantitative reasoning applications. The course will introduce terminology, processes and technologies used to secure a computer network. Students will be exposed to the hardware and software that creates computer networks and the internet. Students will gain theoretical and practical cybersecurity knowledge as well as discuss real-world security problems and solutions. Students will gain an understanding of both offensive and defensive security as well as what they can do to secure their own personal security on the internet. The course will also cover different types of careers in the field so that students can align their specific interests with a future career path.

#### **ENGR 111: Introduction to Engineering and STEM**

Through a series of real-world projects students will experience the engineering design process, solving engineering problems, use of drawing and design software tools, functioning within multidisciplinary teams, consideration of professional and ethical responsibility, project management, technical writing and verbal communication, creating reports and presentations. Projects will be chosen to integrate engineering disciplines and concepts; typical examples include launching pumpkins, building arduino-based environmental sensors, or using 3-D printing to create scale-models of buildings.

***Billing for each CDS course will be at a discounted rate of \$200 per credit, for a total of \$600 per course. Students will be responsible for purchasing any required course materials.***

## Business Pathway

The business career pathway will provide students an exploration of business careers such as Accounting, Business, Management, Marketing.

### Business Course Offerings

#### **BUS 101: WS 101: Business in Global Society**

Provides a broad business perspective that considers the ancient and modern economic systems that balance resource supply with human wants, the ethical and legal dimensions of business decisions, the role of demographic diversity in a multicultural workforce, and how business operates in a global society.

#### **BUSA 103: Advanced Excel with Business Applications**

With its tremendous ability to analyze data to create and communicate a wealth of information, Excel is the industry-standard spreadsheet application in the world of business. This course will provide students with practical hands-on experience applying Excel's most advanced and sophisticated features to business applications.

#### **MKTG 101: Introduction to Marketing**

Nature and work of marketing management which organizes, directs and controls the functional specialties of marketing. Principles, trends and policies of marketing environment, governmental regulation, marketing research, and social evaluation.

## Application Deadlines

The Career Development Series courses run based on Saint Francis University's Academic Calendar. Courses are offered in the Fall and Spring semester. Application deadlines for the 2024-2025 academic year are as follows:

- **Fall 2024 Courses - August 19, 2024**
- **Spring 2025 Courses - January 8, 2025**

**Visit the College in High School website for more information and to apply/register.**

**[www.francis.edu/chs](http://www.francis.edu/chs)**