

PROGRAM LEARNING OUTCOMES

This program aims to address a variety of themes that encompass the health sciences. Upon completing this program, students will have an understanding of:

How our cells keep us healthy

Develop an integrated understanding of mechanisms and pathways involved in biochemical, subcellular, and cellular function to articulate the underpinnings of tissue function in health and disease.

How our bodies function when we're sick and healthy

Integrate the functions of tissues and organs to identify when and why they deviate from normality.

How we change across our lifespan

Critically analyze the development of human structure and system function from birth to death and health to disease to recognize the need for intervention.

How drugs can help or hurt us

Predict the interaction between chemical and lifestyle interventions and the body (i.e. drug treatment, diet, exercise) to evaluate the potential benefits and adverse effects.

How organisms and cells live and fight within us

Characterize the role of microbes, immunity, and inflammation in health, infection, and disease in order to define their contributions to these processes.

How our environment shapes our quality of life

Evaluate the impact of social, physical, and cultural influences on individuals, communities, and populations to prepare graduates to be health advocates and educators.

How governments impact our health

Integrate previous and current policy, ethics, and law underlying health care systems to apply best practices when evaluating and implementing health initiatives.

How we build and evaluate knowledge

Use quantitative and qualitative research methodologies and critically evaluate scientific literature and data to fill gaps in knowledge.