



Graduate Academic Learning Compact

Exercise Science and Chronic Disease

Program Mission Statement

The mission of the Master of Science in Exercise Science and Chronic Disease program is to prepare students with the knowledge, clinical and analytical skills, and professional and ethical mindset to work as Exercise Physiologists and Physical Activity Epidemiologists in their respective fields. The Exercise Physiology focus will prepare students to work in leadership positions in the health and fitness industry as well as clinical settings. The curriculum will provide the students with the knowledge and skills necessary to work and provide leadership in the area(s) of health and fitness, cardiovascular and pulmonary rehabilitation, diabetes education, and lifestyle coaching. The Physical Activity Epidemiology focus will begin to prepare students to become independent investigators by providing them with the tools necessary to conduct original research. Students may be exposed to both primary data collection and secondary data analysis. The internship option culminates in a 300-hour experiential internship working under the direct supervision of a graduate degreed professional in the field of Exercise Science, Epidemiology, Public Health, or Medicine.

Student Learning Outcomes

Graduates will be able

Knowledge of Literature of Discipline (req)

- Have the knowledge, skills, and abilities to function as scholars.

Independent Research/ Professional Practice (req)

- Demonstrate the skills required to function as clinical and applied exercise physiologists.
- Demonstrate the skills required to function as clinical and applied exercise physiologists.
- Demonstrate the ability to function as clinical and applied exercise physiologists.

Assessment Approaches

Direct measures will include direct observation of graduate student performance by qualified professionals and various course-related activities such as posters and oral presentations, written and oral examinations, and written and oral scientific critiques of the literature. Indirect assessment measures will include program exit interviews, alumni and employer surveys, and feedback from internship site supervisors and preceptors.