

PH.D. IN HUMAN BIOENERGETICS

Requirements Effective Fall 2025

Code	Title	Credits
HES 510	Bioethics--Concepts and Controversies	3
Select 9 credits from the following:		9
HES 500	Environmental Exercise Physiology	
HES 600	Research Design in Health/Exercise Science	
HES 602	Advanced Physiology of Exercise	
HES 608	Physical Activity Intervention Development	
HES 610	Exercise Bioenergetics	
HES 620	The Science of Healthspan	
HES 619	Advanced Neural Control of Movement	
HES 700	Professional Skills in Bioenergetics	
HES 793	Bioenergetics Seminar (1 cr seminar, min 4 semesters required) ¹	4
Statistics ²		6
Directed Electives ³		38
HES 799	Dissertation ³	12
Program Total Credits:		72

A minimum of 72 credits are required to complete this program.

¹ Seminar must be taken for a minimum of 4 credits (4 semesters), but can be taken more than 4 times.

² Select a minimum of six credits of statistics with approval of advisor. Typical statistics credits taken by HES Ph.D. students include, but are not limited to, the following: STAR 511 and STAR 512.

³ Select additional dissertation credits and/or 500-level and above elective credits with approval of advisor to bring the program total to a minimum of 72 credits. Depending on entry route into program, up to 30 credits may be accepted as directed electives from previous M.S degree or up to 10 credits earned after a bachelor's degree may be counted towards directed electives. Typical elective credits taken by HES Ph.D. students include, but are not limited to, the following: BIOM 550; BIOM 750; BMS 545; FSHN 530; FSHN 551; NB 505.