

PH.D. IN HUMAN BIOENERGETICS

degree or up to 10 credits earned after a bachelor's degree may be counted towards directed electives.

Requirements

Effective Fall 2022

Ph.D. course requirements include a minimum of 72 credits for each of three entry routes:

Entry A: For students who have completed the CSU M.S. degree in Health and Exercise Science, up to 30 credits can be applied toward partial fulfillment of the required 72 credits.

Entry B: For students who submit a previously earned Master's degree from an institution other than CSU, up to 30 credits may be accepted toward partial fulfillment of the required 72 credits. All credits accepted toward partial fulfillment of the requirements below must be approved by the Director of the Health and Exercise Science Graduate Program and the Graduate School.

Entry C: For students who do not submit a Master's degree in partial fulfillment of the required 72 credits, up to 10 credits earned after the bachelor's degree may be accepted for transfer. Only courses taken at a 500-level or higher will be considered. All potential credits accepted toward partial fulfillment of the requirements below must be approved by the student's graduate committee, the Department of Health and Exercise Science, and the Graduate School.

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 six credits of statistics with approval of advisor.

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