### REQUIREMENTS FOR THE DOCTOR OF PHILOSOPHY

#### DODGE COLLEGE OF ARTS AND SCIENCES

#### THE UNIVERSITY OF OKLAHOMA

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<td>Minimum Total Hours: 90</td>
<td>Cellular &amp; Behavioral Neurobiology: Exercise Physiology, Ph.D.</td>
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<td>Summer 2023 through Spring 2024</td>
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<td>Program Code: D148</td>
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#### Program Requirements

**Code** | **Title** | **Credit Hours** | **Credit Hours**
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**Cellular and Behavioral Neurobiology Core (10-13 hours)**
- **BIOL 5833** | Neurobiology | 3 |
- **BIOL 5871** | Current Topics in Neurobiology | 1 |
- **Lab Rotations (2-3 in CBN-affiliated labs):**
- **HES 6990** | Independent Study in Health and Exercise Science | 6-9 |

**Interdisciplinary Research Core (12 hours)**
- **HES 6970** | Seminar in Health and Exercise Science | 3 |
- **HES 6990** | Independent Study in Health and Exercise Science | 3 |

**Graduate Statistics as approved by doctoral advisory committee** | 6 |

**Exercise Physiology Core (21 hours)**
- **CHEM 3653** | Introduction to Biochemistry | 3 |
- **HES 6823** | Cardiorespiratory Exercise Physiology | 3 |
- **HES 6833** | Human Body Composition | 3 |
- **HES 6843** | Neuromuscular Physiology | 3 |
- **HES 6883** | Endocrinology and Metabolism of Exercise | 3 |

**Choose one of the following:**

- 6 graduate-level hours in PHYO
- 2 BIOL courses from an approved list
- Two 3-hour graduate-level physiology courses as approved by doctoral advisory committee

**Dissertation Research (12 hours)**
- **HES 6980** | Research for Doctoral Dissertation | 12 |

**Electives (32-35 hours)**

Electives and transfer credit (including from a completed master’s degree) as approved by the doctoral advisory committee and as needed to complete 90 hours beyond the baccalaureate degree.

**Total Credit Hours** | 90 |

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1Approved Biology courses: BIOL 3103 (taken for graduate credit), BIOL 5813, BIOL 5863.

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**General Requirements for Doctoral Degrees**

A student should expect to spend at least the equivalent of three full academic years beyond the bachelor’s degree to obtain the doctoral degree. During this period the student will take appropriate graduate coursework, successfully complete the general examination, and successfully defend and submit the final dissertation.

All coursework applied to the doctoral degree must carry graduate credit.

The doctoral degree requires at least 90 post-baccalaureate hours, including both formal coursework and hours of research.

The minimum hour requirement for a specific doctoral degree program cannot be waived.

No more than one-half of the credit hours, both OU and overall, excluding Research for Doctoral Dissertation (6980), may be S/U-graded coursework.

The student must be in residence at OU for at least two consecutive 16-week semesters during the pursuit of the doctoral degree while enrolled and engaged in coursework or research activities as prescribed by the major academic unit.

For more detailed regulations and requirements for Doctoral degrees, please consult the Graduate College Bulletin: [http://www.ou.edu/gradcollege/forms/bulletin](http://www.ou.edu/gradcollege/forms/bulletin)