

Course requirements for MS and PhD in Biomechanics specialization

Course requirements for MS

<i>A. Required courses</i>	<i>Credits</i>
KINES 618, Biomechanics	3
STAT 571, Statistical Methods for Bioscience I (or equivalent)	4
KINES 951, Seminar-Biomechanics (or equivalent)	2
KINES 991, Research in Physical Activity - Theory and Design	3
KINES 990, Research or Thesis	minimum of 2
KINES 900, Seminar in Kinesiology (1 cr)	**

****All Kinesiology MS and PhD students in biomechanics are required to register for Seminar in Kinesiology (KINES 900) each semester they are enrolled in the program**

<i>B. Elective courses (chosen in consultation with advisor)</i>	<i>remaining credits</i>
Suggested courses	
KINES 614, Biological Factors Influencing Exercise Performance	3
KINES 721, Neural Basis for Movement	3
KINES 773, Cardiorespiratory Adaptations to Environment and Exercise	3
KINES 861, Principles of Motor Control and Learning	3
KINES 870, Principles of Measuring Motor Behavior	3
KINES 880, Motor Development Across the Life Span	3
KINES 960, Seminar-Motor Development	2
KINES 961 Seminar-Motor Control	2

Total minimum credits required for graduation (beyond baccalaureate degree)	30
---	----

Course requirements for PhD

<i>A. Required courses</i>	<i>Credits</i>
STAT 572, Statistical Methods for Bioscience II (or equivalent)	4
KINES 900, Seminar in Kinesiology (1 cr)	**
KINES 951, Seminar-Biomechanics, or equivalent (2 semesters required)	4
KINES 990, Research or Thesis (dissertation with oral defense)	minimum 6
KINES 991, Research in Physical Activity – Theory and Design***	3

*** Required for PhD candidates who did not complete this or an equivalent course as part of their MS program.

****All Kinesiology MS and PhD* students in biomechanics are required to register for Seminar in Kinesiology (KINES 900) each semester they are enrolled in the program**

* includes Dissertators unless registered, instead, for specialization seminar, Kines 951; or unless expressly exempted via advisor request to Grad Studies Committee

General Field Requirement

at least 2 graduate level courses of at least 2 credits each in Kinesiology,
at UW-Madison, outside of Biomechanics area 4-6

Electives (chosen in consultation with advisor) remaining credits

Minors:

The department has worked with the Graduate School and effective September 2015, Kinesiology PhD students are exempted from the minor requirement based on the following principles: **Disciplines within Kinesiology span the study of cells (e.g. physiology, neuroscience) to behavior (motor control, biomechanics, and exercise psychology) to populations (Exercise Epidemiology). As such, students in our program are exposed to broad areas of inquiry.** Breadth in the Kinesiology program is achieved via the General Field Requirement described above.

PhD students may choose, however, in consultation with their advisor, to pursue a minor. The Graduate School Minor policy is here, <http://grad.wisc.edu/acadpolicy/>, for students wishing to obtain a Minor.

A minimum of **nine credits** of coursework are required for a minor. The Graduate School policy includes two variants of the minor: one including two or more departments (a “distributed” minor); and the other a minor within a single department. NOTE that some departments place limits on the format or content of their minor. If you pursue a single-department minor, we urge you to seek specific guidance *in advance* from the minor-granting department about how to meet any requirements for its minor.

Total minimum credits required for graduation (beyond baccalaureate degree) 51

[Posted to Kines. Web Site 10/2015]