

PHYSIOLOGY

The Physiology courses listed will provide students with an overview of plant and animal physiology, with a focus on neurobiology.

The Department recommends that students interested in the cellular basis of physiology take additional courses in cell and molecular biology (see the Cell and Molecular Biology link for a full list of relevant courses). Students interested in whole-organism physiology should take additional courses in organismal biology (see the Organismal Biology link for a full list of relevant courses).

Foundation Courses (these courses should be taken)

BIOL 355: Evolution

BIOL 360: Cell Biology

BIOL 365: Animal Physiology (L)

BIOL 366: Plant Physiology (L)

Supporting Courses (take as many as possible)

BIOL 309: Developmental Biology (L)

BIOL 367: Neurobiology

BIOL 404: Sensory Biology

BIOL 409B: Experimental Neurobiology (L) (offered in alternate years)

BIOL 435: Molecular Evolution

BIOL 447: Ion Channels and Disease

BIOL 448: Neuroethology (T)

BIOL 458: Plant Biochemistry and Biochemical Ecology

BIOL 467: Neural Development

Other Relevant Courses

BIOL 330: Study Design and Data Analysis (L)

Relevant Courses Outside Biology

BIOC 300A: General Biochemistry I

BIOC 300B: General Biochemistry II

BIOC 403: Biochemistry of Signal Transduction

BIOC 404: Proteins

(L) = lab; (T) = tutorial