ANIMAL BEHAVIOR CONCENTRATION/INTERDISCIPLINARY STUDIES MAJOR

Office
Smith Hall 251, 410-704-4065
Liberal Arts 2124, 410-704-3483

The Program
The study of animal behavior has received an increasing amount of attention from the public because of the emphasis placed by zoological parks on behavioral biology and the large number of presentations in the media regarding animal behavior and sociobiology.

The Animal Behavior Concentration is designed to offer a solid foundation in the diverse approaches used to study behavioral biology. The program uses a carefully selected combination of courses in biology and psychology to achieve this goal. In addition, students are required to complete either an independent research project or an internship in order to apply their knowledge in an intensive research experience.

Students who complete the program may be qualified for positions at zoological parks, aquariums and nature centers. In addition, they will have the necessary technical knowledge to pursue a career in freelance writing about animal behavior. However, students who are considering attending graduate school will need to complete additional courses in either biology or psychology. Most of the students currently enrolled in the program are also majoring in either Biology or Psychology.

Students who are considering the Animal Behavior Concentration must meet with one of the program coordinators before declaring Interdisciplinary Studies as a major. Students who are also majoring or minoring in Psychology or Biology should contact the respective co-coordinator: Mark Bulmer (Biological Sciences), Paul Pistell (Psychology).

Requirements for the Concentration
The Animal Behavior Concentration requires students to complete 45 units with a grade equivalent of 2.00 or higher. If 45 units have not been reached following completion of the required courses, the additional course or courses must be taken from the biology or psychology electives list (see below).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>BIOL 120 &amp; 120L</td>
<td>PRINCIPLES OF BIOLOGY [LECTURE] and PRINCIPLES OF BIOLOGY [LAB]</td>
<td>4</td>
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<tr>
<td>or BIOL 201</td>
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<td>BIOL 202</td>
<td>INTRODUCTION TO ECOLOGY AND EVOLUTION EVOLUTION</td>
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<td>or BIOL 413</td>
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<tr>
<td>BIOL 207</td>
<td>GENERAL ZOOLOGY</td>
<td>4</td>
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<td>BIOL 371</td>
<td>ANIMAL BEHAVIOR</td>
<td>4</td>
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<tr>
<td>PSYC 101</td>
<td>INTRODUCTION TO PSYCHOLOGY</td>
<td>3</td>
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<tr>
<td>PSYC 212</td>
<td>BEHAVIORAL STATISTICS</td>
<td>4</td>
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<tr>
<td>PSYC 314</td>
<td>RESEARCH METHODS IN PSYCHOLOGY</td>
<td>3-4</td>
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or BIOL 381 WRITING IN THE BIOLOGICAL SCIENCES
PSYC 460 ETHOLOGY AND COMPARATIVE PSYCHOLOGY 3
Select one of the following: 3
BIOL 491 ELECTIVE IN INDEPENDENT RESEARCH
BIOL 493 INTERNSHIP IN BIOLOGY
IDIS 495 INTERNSHIP IN INTERDISCIPLINARY STUDIES
PSYC 391 DIRECTED RESEARCH EXPERIENCE IN PSYCHOLOGY

Biology Electives
Select a minimum of two of the following: 5-8
BIOL 353 INVERT ZOOLOGY
BIOL 402 GENERAL ECOLOGY
BIOL 444 WILDLIFE MANAGEMENT
BIOL 456 ORNITHOLOGY
BIOL 458 MAMMALOGY
BIOL 461 ENTOMOLOGY
BIOL 467 HERPETOLOGY
BIOL 481 DIR READ:BIOL

Psychology Electives
Select a minimum of two of the following: 4-6
PSYC 305 PSYCHOLOGY OF LEARNING
PSYC 309 PSYCHOPHARMACOLOGY
PSYC 315 MOTIVATION
PSYC 317 SENSATION AND PERCEPTION
PSYC 341 ENVIRONMENTAL PSYCHOLOGY
PSYC 381 READINGS IN PSYCHOLOGY 2
PSYC 447 SEX DIFFERENCES: PSYCHOLOGICAL PERSPECTIVES
PSYC 465 PHYSIOLOGICAL PSYCHOLOGY
PSYC 486 ADVANCED EXPERIMENTAL DESIGN
PSYC 470 SPECIAL TOPICS IN PSYCHOLOGY 1

Total Units 41-47

1 Students should consult this catalog for course prerequisites and discuss all course selections with their advisers.
2 Must be approved by coordinator.

Suggested Four-Year Plan
Please contact your major department for more information.

1) Students possess the ability to integrate knowledge and modes of thinking across two or more disciplines.
2) Students communicate effectively in the presentation of interdisciplinary materials through various modes of transmission.
3) Students conduct, analyze and apply research from two or more disciplines or through interdisciplinary research.