ANIMAL BEHAVIOR, ECOLOGY, AND CONSERVATION (BS)

Introduction
The Animal Behavior, Ecology, and Conservation Program combines the rigorous scientific study of Animal Behavior with a values-focused curriculum in the liberal arts tradition. It is for students who want to thoroughly understand the facts and theoretical underpinnings of animal behavior and who want to use that understanding to promote animal welfare and wildlife conservation. For a more detailed description of the program, faculty, facilities, academic and co-curricular opportunities please go to the ABEC website (https://www.canisius.edu/academics/programs/animal-behavior-ecology-and-conservation).

Qualifications
Students must maintain a 2.0 GPA in their major and a 2.0 overall average to graduate with a degree in Animal Behavior, Ecology, and Conservation.

Advisement
All students should have an advisor in the major and should contact the department directly to have an advisor assigned if they do not already have one. Meetings with academic advisors are required prior to students receiving their PIN for course registration each semester. All majors should work closely with their advisor in discussing career expectations, choosing their major electives, developing their entire academic program and planning their co-curricular or supplemental academic experiences.

Double Majors
Students who wish to expand their educational opportunities may decide to declare a double major. The decision may be based on career goals or planned graduate studies. Before a student declares a double major, it is important to meet with the appropriate academic departments for advisement. Some double major combinations can be completed within the minimum 120 credit hour degree requirement, but in some cases additional course work may be required. In order to declare a double major, the student must complete the appropriate double major request form and get the signature of each department chairperson and the appropriate associate dean. Please note that students will receive only one degree, regardless of the number of majors they complete.

Minors in other disciplines
Minors provide students the opportunity to pursue additional interests but generally do not require as many courses as a major. Minors generally range from five to eight required courses. The minors page (http://catalog.canisius.edu/undergraduate/minors) provides a complete list of minors and provides links to each minor. Some majors and minors can be completed within the minimum 120 credit hour degree requirement, but in some cases additional coursework may be required. Students must complete the appropriate minor request form.

ABEC majors often choose to pursue one or more of the minors offered within the department (p. 3). Additionally, ABEC majors interested in informal education should consider the education minor (http://catalog.canisius.edu/undergraduate/school-education-human-services/)

Educator-preparation/Minor text) offered in the School of Education and Human Services.

Major Experiences
Many elective courses involve travel, field work, and/or service. The department also offers numerous internship opportunities. Students are encouraged to participate in these experiences.

Curriculum
An Ignatian Foundation
All undergraduate students must complete either the Canisius Core Curriculum (http://catalog.canisius.edu/undergraduate/academics/core-curriculum-information/core-curriculum) or the All-College Honors Curriculum (http://catalog.canisius.edu/undergraduate/academics/core-curriculum-information/all-college-honors-program). Many schools refer to their college-wide undergraduate requirements as “general education” requirements. We believe that the core curriculum and the honors curriculum are more than a series of required classes, they provide the basis for a Jesuit education both with content and with required knowledge and skills attributes that are central to our mission.

Free Electives
Students may graduate with more but not less than 120 credit hours. Free electives are courses in addition to the Core Curriculum or Honors Curriculum and major requirements sufficient to reach the minimum of 120 credit hours required for graduation.

Major Requirements
The ABEC major requires 7 courses, plus a total of 24 additional credits from elective courses:

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ABEC 101</td>
<td>Introductory Animal Behavior I</td>
<td>3</td>
</tr>
<tr>
<td>ABEC 102</td>
<td>Introductory Animal Behavior II</td>
<td>3</td>
</tr>
<tr>
<td>BIO 111</td>
<td>Introductory Biology I</td>
<td>4</td>
</tr>
<tr>
<td>BIO 112</td>
<td>Introductory Biology II</td>
<td>4</td>
</tr>
<tr>
<td>&amp; 111L</td>
<td>and Introductory Biology Laboratory I</td>
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</tr>
<tr>
<td>&amp; 112L</td>
<td>and Introductory Biology Laboratory II</td>
<td></td>
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<td></td>
<td>Select one of the following:</td>
<td>3</td>
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<tr>
<td>BIO 322</td>
<td>Conservation Biology</td>
<td></td>
</tr>
<tr>
<td>ABEC 333</td>
<td>Conservation Behavior</td>
<td></td>
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<tr>
<td>ABEC 334</td>
<td>Conservation Psychology</td>
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<tr>
<td>ABEC 335</td>
<td>Conservation Education (ABEC 335L is optional, and the extra credit will count toward the 24 credits of electives below)</td>
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</tbody>
</table>

Select one of the following math courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MAT 131</td>
<td>Statistics for Social Sciences</td>
<td>3-4</td>
</tr>
<tr>
<td>MAT 141</td>
<td>Inferential Statistics and Computers for Science</td>
<td></td>
</tr>
<tr>
<td>PSY 201</td>
<td>Basic Statistics for Behavioral Sciences</td>
<td></td>
</tr>
<tr>
<td>PHI 245</td>
<td>Animal Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 23-24

Major Electives
Twenty four credits must derive from the following electives:
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABEC 220 &amp; 220L</td>
<td>Animal Learning and Animal Learning Lab</td>
<td>4</td>
</tr>
<tr>
<td>ABEC 250</td>
<td>Zoo Animal Husbandry</td>
<td>1</td>
</tr>
<tr>
<td>ABEC 251</td>
<td>Zoo Animal Management</td>
<td>3</td>
</tr>
<tr>
<td>ABEC 301</td>
<td>Research Participation (credit)</td>
<td>1</td>
</tr>
<tr>
<td>ABEC 305</td>
<td>Assessing Animals</td>
<td>3</td>
</tr>
<tr>
<td>ABEC 332</td>
<td>Animal Welfare</td>
<td>3</td>
</tr>
<tr>
<td>ABEC 333</td>
<td>Conservation Behavior</td>
<td>3</td>
</tr>
<tr>
<td>ABEC 334</td>
<td>Conservation Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ABEC 335 &amp; 335L</td>
<td>Conservation Education and Conservation Education Lab</td>
<td>4</td>
</tr>
<tr>
<td>ABEC 338 &amp; 338L</td>
<td>Recreational Ecology and Recreational Ecology Lab</td>
<td>4</td>
</tr>
<tr>
<td>ABEC 339</td>
<td>Animal Enrichment</td>
<td>3</td>
</tr>
<tr>
<td>ABEC 341 &amp; 341L</td>
<td>Urban Ecology and Urban Ecology Lab</td>
<td>4</td>
</tr>
<tr>
<td>ABEC 342</td>
<td>Animal Geographies</td>
<td>3</td>
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<tr>
<td>ABEC 351</td>
<td>Zoo Exhibitory</td>
<td>1</td>
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<tr>
<td>ABEC 360</td>
<td>Observational Research Methods</td>
<td>4</td>
</tr>
<tr>
<td>ABEC 363</td>
<td>Canine Evolution, Behavior and Cognition</td>
<td>3</td>
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<tr>
<td>ABEC 370</td>
<td>Animal Cognition</td>
<td>3</td>
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<tr>
<td>ABEC 404</td>
<td>Wildlife Ecology and Conservation in South Africa</td>
<td>3</td>
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<tr>
<td>ABEC 490</td>
<td>Canisius Ambassadors for Conservation (credit may vary)</td>
<td>4</td>
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<tr>
<td>ABEC 491</td>
<td>Internship 1</td>
<td>3</td>
</tr>
<tr>
<td>ABEC 492</td>
<td>Internship 2</td>
<td>3</td>
</tr>
<tr>
<td>ABEC 495</td>
<td>Independent Research</td>
<td>3</td>
</tr>
<tr>
<td>BIO 301</td>
<td>Research Methods (credit)</td>
<td>1</td>
</tr>
<tr>
<td>BIO 312</td>
<td>Primatology</td>
<td>3</td>
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<tr>
<td>BIO 316</td>
<td>Social Organization of Mammals</td>
<td>3</td>
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<td>BIO 317</td>
<td>Sex, Evolution and Behavior</td>
<td>3</td>
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<tr>
<td>BIO 320</td>
<td>Field Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 322</td>
<td>Conservation Biology</td>
<td>3</td>
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<tr>
<td>BIO 325</td>
<td>Reproductive Biopsychology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 343</td>
<td>Entomology</td>
<td>4</td>
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<tr>
<td>BIO 355</td>
<td>Behavioral Neuroscience</td>
<td>3</td>
</tr>
<tr>
<td>BIO 366</td>
<td>Ornithology</td>
<td>4</td>
</tr>
<tr>
<td>or BIO 166</td>
<td>Biology of Birds</td>
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<tr>
<td>BIO 375</td>
<td>Community Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 377</td>
<td>Freshwater Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 378</td>
<td>Wetlands</td>
<td>3</td>
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</tbody>
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### Learning Goals & Objectives

#### Student Learning Goal 1

Students will demonstrate factual knowledge and theoretical understanding in the field of animal behavior. Students will:

- **Objective A:** Demonstrate mastery of topics: animal phylogeny-taxonomy, evolution of behavior, and anthropogenic impacts on non-human animals and the environment
- **Objective B:** Articulate the controversial nature-nurture (instinct vs. learning) dichotomy
- **Objective C:** Identify ways to recognize cognitive processes in non-human animals
- **Objective D:** Separate observations from inferences

#### Student Learning Goal 2

Students will demonstrate practical knowledge and appropriate application of animal behavior and conservation in two of the following settings: domestic animals, captive wildlife, free-ranging wildlife

Students will:

- **Objective A:** Generate realistic and effective solutions to simulated behavior problems in captive or domestic animals;
- **Objective B:** Generate realistic and effective solutions to simulated conservation problems
- **Objective C:** Critically evaluate ethical implications of use or management of non-human animals

#### Student Learning Goal 3

Students will demonstrate scientific literacy and communication about science in written or oral form

Students will:

- **Objective A:** Critically evaluate primary literature
- **Objective B:** Interpret data
Objective C: Clearly articulate scientific ideas, concepts, and controversies

Minors

The ABEC program offers four minors for students who wish to concentrate in specific areas:

- Anthrozoology Minor (http://catalog.canisius.edu/undergraduate/college-arts-sciences/animal-behavior-ecology-conservation/anthrozoology-minor)

For the ABEC minors, courses may be taken independently of the others and in any order. Interested students usually begin with the course that best fits their schedule. Most of the courses are offered every other year, so interested students should plan accordingly.

Additionally, the ABEC department contributes to the Education Minor (http://catalog.canisius.edu/undergraduate/college-arts-sciences/education-human-services/educator-preparation/#minortext). ABEC majors with an interest in informal education may be interested in this minor. This minor does not lead to teacher certification.

Courses

ABEC 101 Introductory Animal Behavior I 3 Credits
First semester of a two-semester sequence that covers behavior across a wide range of species. Similarities and contrasts allow deductions regarding mechanisms and evolution.
Offered: every fall.

ABEC 102 Introductory Animal Behavior II 3 Credits
Second semester of a two-semester sequence that covers behavior across a wide range of species. Similarities and contrasts allow deductions regarding mechanisms and evolution.
Offered: every spring.

ABEC 220 Animal Learning 3 Credits
Animal learning and memory research with emphasis on practical animal training. Lab required.
Prerequisites: ABEC 101 & ABEC 102. Corequisite: ABEC 220L.
Offered: every spring.

ABEC 220L Animal Learning Lab 1 Credit
Required animal learning lab that emphasizes practical animal training.
Prerequisites: ABEC 101 & ABEC 102. Corequisite: ABEC 220.
Offered: every spring.

ABEC 250 Zoo Animal Husbandry 1 Credit
Topics in animal husbandry in the zoo setting. Focus is on the specific needs of different taxonomic groups, environmental management, veterinary monitoring, nutrition, and programming.
Prerequisites: ABEC 101 & ABEC 102.
Offered: Spring of odd-numbered years.

ABEC 251 Zoo Animal Management 3 Credits
Modern practices in zoo mission implementation. Focus on managing many facets of zoos: individual animals, populations of animals, visitors, research, education, staff, and budgets. The course is highly project-based and involves considerable group work and participation.
Prerequisites: ABEC 101 & ABEC 102.
Offered: every spring.

ABEC 300 Research Participation (no credit) 0 Credits
Recognition for ABEC research assistants, does not carry credits.
Restriction: permission of instructor.
Offered: every semester.

ABEC 301 Research Participation (credit) 1 Credit
Recognition for ABEC research assistants. Can be taken up to 3 times for major elective credit; more than three times credit is free-elective.
Restriction: permission of instructor.
Offered: every semester.

ABEC 302 Photographing Animal Behavior 1 Credit
This one-credit course will focus on the use of photography in portraying animal behavior, and in educating the public about animals, and promoting animal welfare/conservation messages. In this course the student will: acquire skills at capturing-depicting the nature and behavior of animals in still images; develop skills at using the images of animals in conveying messages; acquire technical skills associated with the operation of high-end digital, SLR cameras; acquire skills at image post-processing. Additional fee required.
Restriction: ABEC majors only.
Offered: occasional springs.

ABEC 305 Assessing Animals 3 Credits
Assessing Animals will focus on applied behavioral analysis of non-human animals through various methodologies including functional assessments. Students will learn how to conduct assessments to achieve behavioral goals through problem solving strategies for non-human animals. Occasional (1-2) weekend days may be required.
Prerequisites: ABEC 101 & ABEC 102.
Offered: every fall.

ABEC 319 Anthrozoology 3 Credits
An engagement with the fundamental issues of the field of Anthrozoology by evaluating the history of human/ nonhuman interactions, the categories into which human have sorted animals, and a variety of science-based and value-based approaches to humans’ inevitable intersection with other living beings.
Prerequisites: ABEC 101 & ABEC 102.
Offered: every spring.

ABEC 330 Animals, Public Policy, and the Law 3 Credits
This course provides an overview of both law and public policy as they impact modern societies views and treatment of non-human animals. Students will explore American and other national legal systems, as well as several different senses of the term ‘public policy’ in connection with companion animals, wildlife, research animals, and food animals.
Prerequisites: ABEC 101 & ABEC 102.
Fulfills College Core: Justice
Offered: every fall.

ABEC 332 Animal Welfare 3 Credits
The scientific study of assessing the welfare of captive animals. Use of quantitative research to improve welfare.
Prerequisites: ABEC 101 & ABEC 102. Restriction: juniors and seniors only.
Fulfills College Core: Advanced Writing-Intensive
Offered: every spring.

ABEC 333 Animal Behavior in Education 3 Credits
This course will focus on the integration of animal behavior into educational settings. Students will explore the role of animal behavior in education, and develop skills in designing and implementing animal behavior programs in educational contexts.
Prerequisites: ABEC 101 & ABEC 102.
Offered: every spring.

ABEC 375 Cognitive Animal Behavior 3 Credits
An examination of the cognitive abilities of non-human animals. Focus is on how animals perceive the world around them and how they use that information to solve problems.
Prerequisites: ABEC 101 & ABEC 102.
Offered: every spring.

ABEC 385 Animal Behavior Research Seminar 3 Credits
A seminar focusing on current research topics in animal behavior. Students will have the opportunity to present their own research and engage in discussions with peers and faculty.
Prerequisites: ABEC 101 & ABEC 102.
Offered: every semester.

ABEC 395 Field Study in Animal Behavior 3 Credits
An opportunity for students to conduct research in a field setting, working closely with faculty and peers.
Prerequisites: ABEC 101 & ABEC 102.
Restriction: permission of instructor.
Offered: every semester.
ABEC 333 Conservation Behavior
How human activity has altered the planet and how those modifications affect the behavior of animals. Review of key principles through the lens of Behavioral Ecology in regards to species requirements for survival, major threats to species existence, and conservation solutions to reduce those threats. Identification of positive human behavior for conservation outcomes.
Prerequisites: ABEC 101 & ABEC 102.
Offered: every fall.

ABEC 334 Conservation Psychology
Conservation psychology is an interdisciplinary field of study that focuses upon people’s relationships with animals and the natural world. Conservation psychology is ultimately concerned with improving the quality of those relationships for the benefit of human and non-human beings as well as natural systems. In this course, students will explore the theoretical foundations of conservation psychology, including ecological approaches to human development, cognition, morality, sociality, emotion and behavior. Students will also learn about and practice various methods for studying human-animal-nature relationships. By the end of this course, students will be able to apply these theories and practices towards the constructive criticism of various conservation projects, policies, and interventions.
Prerequisites: ABEC 101 & ABEC 102. Restriction: juniors and seniors only.
Offered: most fall semesters.

ABEC 335 Conservation Education
Applying the theories and principles of conservation psychology to education in informal settings (zoos, aquariums, wildlife refuge). Assessing attitude and behavioral outcomes of conservatin education programs.
Prerequisites: ABEC 101 & ABEC 102. Corequisite: ABEC 335L. Restriction: juniors and seniors only.
Offered: most fall semesters.

ABEC 335L Conservation Education Lab
Required weekly lab for Conservation Education (ABEC 335).
Prerequisites: ABEC 101 & ABEC 102. Corequisite: ABEC 335. Restriction: juniors and seniors only.
Offered: most fall semesters.

ABEC 336 Child Animal Studies
This course considers how animals play distinct roles in child development, children’s cultures, and even in the social construction of ‘childhood.’ It draws upon psychology, ethology, ethics, cultural studies, education, and anthropology.
Prerequisites: ABEC 101 & ABEC 102. Restriction: juniors and seniors only.
Offered: spring of odd-numbered years.

ABEC 338 Recreational Ecology
Environmental consequences of outdoor recreation and nature-based tourism activities and their management. History and current state of outdoor recreation, including the policies that have shaped management of natural areas. Positive effects recreation through increased conservation support and stewardship and how both can be managed for coexistence.
Prerequisites: ABEC 101 & ABEC 102.
Offered: fall of odd-numbered years.

ABEC 338L Recreational Ecology Lab
Weekly lab for Recreational Ecology (ABEC 338).
Prerequisites: ABEC 101 & ABEC 102. Corequisite: ABEC 338.
Offered: fall of odd-numbered years.

ABEC 339 Animal Enrichment
This course emphasizes the roll of enrichment in various contexts (laboratory, shelter, and zoo). Multiple opportunities to design and implement enrichment are provided. The course uses the S-P-I-D-E-R framework for enrichment design and effectiveness.
Prerequisites: ABEC 101 & ABEC 102.
Offered: spring of even-numbered years.

ABEC 340 Research Methods in Animal Behavior
Observational and experimental research methods commonly used in studies of wild, captive, and domesticated animals. Evaluate peer-reviewed journal articles, research questions and hypotheses, collect behavioral data in observational and experimental contexts, and analyze and interpret data.
Prerequisites: ABEC 101, ABEC 102, & one of the following: MAT 131, MAT 141, or PSY 202. Corequisite: ABEC 340L. Restriction: juniors and seniors only.
Fulfills College Core: Advanced Writing-Intensive
Offered: every fall.

ABEC 340L Research Methods in Animal Behavior Lab
Prerequisites: ABEC 101, ABEC 102, & one of the following: MAT 131, MAT 141, or PSY 201. Corequisite: ABEC 340. Restriction: juniors and seniors only.
Offered: every fall.

ABEC 341 Urban Ecology
Critical examination of the natural ecosystems in which cities are embedded, from soil and vegetation to biodiversity and landscape scale processes. Investigations into how cities are both centers of human production and consumption that shape global ecologies as well as areas of critical habitat for nonhuman animals, with an aim to understand and promote coexistence.
Prerequisites: ABEC 101 & ABEC 102.
Offered: fall of even-numbered years.

ABEC 341L Urban Ecology Lab
Using Buffalo as a natural laboratory, visit urban sites of varying characteristics to analyze the effects of different types of urban development and management on ecosystems. Speak to local managers, collect and analyze ecological data, observe urban impacts to wildlife and ecosystems, as well as the connection between social and ecological systems in Buffalo.
Prerequisites: ABEC 101 & ABEC 102. Corequisite: ABEC 341.
Offered: fall of even-numbered years.

ABEC 342 Animal Geographies
Study of the entanglings of human-animal relations with space, place, location, environment and landscape.
Prerequisites: ABEC 101 & ABEC 102. Restriction: juniors and seniors only.
Offered: spring of even-numbered years.

ABEC 351 Zoo Exhibitory
Critical evaluation of zoo design principles. Involve travel to obtain first-hand study of distant zoological institutions.
Prerequisites: ABEC 101 & ABEC 102.
Offered: annually.
ABEC 360 Observational Research Methods 4 Credits
Study of the principal procedures used in animal behavior research. Involves the conduct of independent research project, from formulation of hypothesis through to presentation of results. Statistical analysis of data is a key component of the class, and students are expected to have completed their statistics requirement.
Prerequisites: ABEC 101, ABEC 102, & one of the following: MAT 131, MAT 141, or PSY 203. Restriction: juniors and seniors only.
Fulfills College Core: Advanced Writing-Intensive
Offered: spring of odd-numbered years.

ABEC 363 Canine Evolution, Behavior and Cognition 3 Credits
Introduction to the latest theories regarding how dogs evolved and were domesticated; how dogs communicate with humans and with each other, exposure to ground-breaking research into dog behavior, learning, cooperation, and cognition.
Prerequisites: ABEC 101 & ABEC 102. Restriction: juniors and seniors only.
Offered: every spring.

ABEC 370 Animal Cognition 3 Credits
The mental lives of nonhuman animals. Topics include basic processes (perception, attention), physical cognition (tool use, time and numbers) and social cognition (social learning, cooperation). Emphasis is on considering the perspective of the nonhuman animal.
Prerequisites: ABEC 101 & ABEC 102. Restriction: juniors and seniors only.
Offered: every spring.

ABEC 403 Tropical Ecology 1 Credit
Students will travel to Ecuador over Spring Break to learn tropical ecology first hand. The course will take students to both cloud forest and lowland rainforest ecosystems. Students will complete readings and mini-projects while in the field.
Prerequisites: ABEC 101 or ABEC 102.
Offered: most springs.

ABEC 404 Wildlife Ecology and Conservation in South Africa 3 Credits
Field experience in South Africa, emphasizing field methods for animal observation, and applicability to conservation. This course involves early application (previous fall), travel during summer, and additional fee.
Prerequisites: ABEC 101 & ABEC 102. Restriction: seniors only and permission of instructor.
Fulfills College Core: Core Capstone
Offered: every fall.

ABEC 405 Field Studies in Political Ecology & Wildlife Conservation 3 Credits
This field course provides an in-depth look at the complex sociocultural and political aspects of wildlife conservation and environmental sustainability by immersing students in research, workshops, readings, and discussions with local community groups and conservation experts in Costa Rica. We will travel first to the capital of San Jose, where we will meet with professors working at the nearby University for Peace, to learn about some of the history around conservation, indigenous peoples, and sustainability in Costa Rica. We will also learn about current work being done at the national and local level in areas of environmental education and community advocacy. We will then travel to the small town of Santa Elena to spend five days engaged in wildlife tours, participating in education workshops, and hearing from guest speakers about re-wilding projects, river protection, sustainable farming, and new ecotourism programs. Finally, we will travel to the beautiful coastal town of Manuel Antonio to stay and volunteer with Kids Saving the Rainforest, a non-profit organization dedicated to wildlife rehabilitation, environmental education, and conservation of wildlife. We will work with the public in small research projects at Manuel Antonio National Park to learn about human-wildlife interactions there.
Prerequisites: ABEC 101 & ABEC 102.

ABEC 490 Canisius Ambassadors for Conservation 4 Credits
Field study of endangered species and ecology, followed by educational outreach to school and public audiences.
Prerequisites: ABEC 101 & ABEC 102.
Offered: every semester.

ABEC 491 Internship 1 3 Credits
Internship in animal-related setting. Joint supervision by faculty and agency personnel. Application of classroom lessons to real-world situations. Students should register for the section most closely related to the internship activities. Section A is Anthrozoology, Section B is Animal Behavior, Section C is Conservation, and Section Z is Zoo Biology.
Prerequisites: ABEC 101 and 102, junior or senior standing, minimum GPA of 2.0 in the major, a positive recommendation from a faculty member, & a completed & approved internship application.

ABEC 492 Internship 2 3 Credits
Internship in animal-related setting. Joint supervision by faculty and agency personnel. Application of classroom lessons to real-world situations. Students should register for the section most closely related to the internship activities. Section A is Anthrozoology, Section B is Animal Behavior, Section C is Conservation, and Section Z is Zoo Biology.
Prerequisites: junior or senior standing, minimum GPA of 2.0 in the major, a positive recommendation from a faculty member, & a completed & approved internship application.

ABEC 495 Independent Research 3 Credits
Independent project conducted under the supervision of a faculty member.
Prerequisites: ABEC 101 & ABEC 102. Restriction: permission of instructor.