

**B.S. IN ANIMAL BEHAVIOR – DEGREE REQUIREMENT CHECK SHEET** for students who matriculated summer 2014 through spring 2017

Student Name/ID: \_\_\_\_\_ Purpose: \_\_\_\_\_ Date: \_\_\_\_\_

**Credit hours:**

Currently enrolled in: \_\_\_\_\_ semester: \_\_\_\_\_

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**AFTER SUCCESSFUL COMPLETION OF CURRENT ENROLLMENT, YOU NEED THE FOLLOWING:**

**IUB GENERAL EDUCATION REQUIREMENTS:**

Foundations:

- English Composition
- Mathematical Modeling (fulfilled by major)

Breadth of Inquiry:

- Arts & Humanities (A&H)–6 credits; need: \_\_\_\_\_
- Social & Historical (S&H)–6 credits; need: \_\_\_\_\_
- Natural & Mathematical (N&M)–(fulfilled by major)

World Languages & Cultures:

- World Language–4<sup>th</sup> semester proficiency  
**OR** World Cultures–6 credits  
**OR** Approved international experience

GenEd residency complete: Yes No If no, you need: \_\_\_\_\_

**TOTAL HOURS REQUIREMENTS:**

	Required	Complete	Needed
Major Hours (A)	30		
College Elective Hours (B)			
Elective Outside Hours (C)*	0		0
Total College Hours (A+B)	100		
Total Credit Hours (A+B+C)	120		
300/400-level Hours	36		
IUB COLL. Res. after 60 credits	36		

\* Maximum of 20 Elective Outside Hours (C) allowed

IPRP: Yes No If yes, needed credit hours may not be accurate.

**Overall College GPA of 2.000 or higher is required.**

College GPA: \_\_\_\_\_

**CASE REQUIREMENTS:**

- Public Oral Communication (COLL-P 155)
- English Composition
- Mathematical Modeling (fulfilled by major)
- Critical Approaches to the Arts and Sciences–must be done at IUB
- CASE A&H–2 courses; will count 2 GenEd; need: \_\_\_\_\_
- CASE S&H–2 courses; will count 2 GenEd; need: \_\_\_\_\_
- CASE N&M–fulfilled by major
- Intensive Writing (IW)–must be done at IUB inside the College
- Foreign Language (FL)–3<sup>rd</sup> semester proficiency

**ANIMAL BEHAVIOR MAJOR REQUIREMENTS:**

*Major requirements must be completed with a C- or better.*

- Major GPA of 2.000 or higher. Major GPA: \_\_\_\_\_
- 30 hours in major courses: \_\_\_\_\_ needed
- 18 hours in major at 300/400 level: \_\_\_\_\_ needed
- 18 hours in major at IUB: \_\_\_\_\_ needed

- BIOL-L 111                       ABEH-A 200
- BIOL-L 112                       ABEH-A 400
- PSY-P 101 **OR** P 155         BIOL-Z 460

- One additional introductory science course from the following list:  
 CHEM-C 101/C 121, CHEM-C 103, CHEM-C 117/C 127, CHEM-S 117, CSCI-A 110, CSCI-C 211, EAS-E 104, EAS-E 105, EAS-E 114, MATH-M 118, MATH-M 212, MATH-S 212, PHYS-P 105, **OR** PHYS-P 201

**PERSPECTIVES** *See list on reverse and fill in courses below.*

- Evolutionary/Ecological                       Mechanisms of Behavior  
 \_\_\_\_\_                                               \_\_\_\_\_  
 \_\_\_\_\_                                               \_\_\_\_\_
- Environmental/Developmental/Cognitive  
 \_\_\_\_\_  
 \_\_\_\_\_
- 2 additional courses from: list on reverse or formal labs or supervised research courses  
 \_\_\_\_\_                                               \_\_\_\_\_

**MATH**

- MATH-M 119 **OR** V 119 **OR** M 211

**STATISTICS**

- PSY-K 300 or 310, SPEA-K 300, STAT-S 300 or 303, STAT-K 310 or S 320, LAMP-L 316, **OR** MATH-K 300

**ETHICS**

- REL-R 170, PHIL-P 140 (if taken Spring 2020 or prior), PHIL-P 141, PHIL-P 242, PHIL-P 393, **OR** HPSC ethics course
- 2 formal laboratory courses from the following list:  
 ABEH-A 350, ANTH-B 301, BIOL-L 113 (or BIOL-H 112), BIOL-L 307, BIOL-L 376, BIOL-L 433, BIOL-L 465, BIOL-L 474, BIOL-P 451, BIOL-Z 373, BIOL-Z 375, BIOL-Z 406, BIOL-Z 469, EAS-X 377, PSY-P 426, SPEA-E 455, SPEA-E 461

- Supervised research (3 cr. min.) **OR** 1 more lab course from above list: \_\_\_\_\_  
*See reverse for list of supervised research courses.*  
 ★ *Research experience must be approved in advance.*

## PERSPECTIVES IN ANIMAL BEHAVIOR

Required Perspectives in Animal Behavior courses: choose at least 2 courses from each of the three areas, plus an additional 2 courses from this list or from required formal laboratory course list or supervised research courses shown in box below. Additional animal behavior-related courses may be applied to this requirement with consent of department. 24 credit hours.

### ***Evolutionary/Ecological Perspectives***

ABEH-A 401 Topical Issues in Animal Behavior (1–3 cr.)<sup>1</sup>  
ANTH-B 368 Evolution of Primate Social Behavior (3 cr.)  
ANTH-B 466 The Primates (3 cr.)  
BIOL-L 307 Biodiversity (3 cr.)<sup>2</sup>  
BIOL-L 318 Evolution (3 cr.) **OR** BIOL-S 318 Evolution, Honors (4 cr.)  
BIOL-L 340 Biological Bases of Sex Differences (3 cr.)<sup>3</sup>  
BIOL-L 369 Heredity, Evolution, and Society (3 cr.)  
BIOL-L 423 Brain, Behavior and Evolution (3 cr.)<sup>3</sup>  
BIOL-L 453 Sensory Ecology (3 cr.)<sup>3</sup>  
BIOL-L 473 Ecology (3 cr.)  
BIOL-Z 374 Invertebrate Zoology (3 cr.)  
BIOL-Z 476 Biology of Fishes (3 cr.)  
EAS-E 341 Natural History of Coral Reefs (3 cr.)  
EAS-X 377 Field Geo-Paleoanthropology (Olduvai Gorge, Tanzania) (6 cr.)<sup>2</sup>  
GEOL-G 404 Geobiology (3 cr.)  
SPEA-E 457 Intro. to Conservation Biology (3 cr.)  
  
SPEA-E 460 Fisheries and Wildlife Management (3 cr.)

### ***Environmental/Developmental/Cognitive Perspectives***

ABEH-A 401 Topical Issues in Animal Behavior (1–3 cr.)<sup>1</sup>  
ANTH-B 200 Bioanthropology (3 cr.)  
ANTH-B 400 **with topic Evolution of Human Cognition** (3 cr.)  
ANTH-E 200 Social and Cultural Anthropology (3 cr.)  
ANTH-L 200 Language and Culture (3 cr.)  
BIOL-L 417 Developmental Biology (3 cr.)  
COGS-Q 240 Philosophical Foundations of Cognitive & Info. Sciences (4 cr.)  
COGS-Q 301 Brain and Cognition (3 cr.)  
INFO-I 400 Topics in Informatics *with topic Animal-Computer Interaction* (3 cr.)  
LING-L 214 Animal Communication (3 cr.)<sup>4</sup>  
PHIL-P 360 Introduction to Philosophy of Mind (3 cr.)  
PSY-P 325 Psychology of Learning (3 cr.)  
PSY-P 327 Psychology of Motivation (3 cr.)  
PSY-P 329 Sensation and Perception (3 cr.)  
PSY-P 330 Perception/Action (3 cr.)  
PSY-P 335 Cognitive Psychology (3 cr.)  
PSY-P 410 Development of the Brain and Behavior (3 cr.)<sup>3</sup>  
PSY-P 411 Neural Bases of Learning and Memory (3 cr.)<sup>3</sup>  
PSY-P 416 Evolution and Ecology of Learning (3 cr.)  
PSY-P 444 Developmental Psychobiology (3 cr.)

### ***Mechanisms of Behavior Perspectives***

ABEH-A 401 Topical Issues in Animal Behavior (1–3 cr.)<sup>1</sup>  
ANTH-B 340 Hormones and Human Behavior (3 cr.)  
BIOL-L 340 Biological Bases of Sex Differences (3 cr.)<sup>3</sup>  
BIOL-L 423 Brain, Behavior, and Evolution (3 cr.)<sup>3</sup>  
BIOL-L 453 Sensory Ecology (3 cr.)<sup>3</sup>  
BIOL-Z 462 Genetics of Behavior (3 cr., P or C: BIOL-L 311)  
BIOL-Z 463 Comparative Neurobiology of Animal Behavior (3 cr.)  
BIOL-Z 466 Endocrinology (3 cr.)  
PHSL-P 416 Comparative Animal Physiology (3 cr.)  
PSY-P 346 Neuroscience (3 cr.) **OR** PSY-P 326 Behavioral Neuroscience (3 cr.)  
PSY-P 407 Drugs and the Nervous System (3 cr.)  
PSY-P 409 Neural Bases of Sensory Function (3 cr.)  
PSY-P 410 Development of the Brain and Behavior (3 cr.)<sup>3</sup>  
PSY-P 411 Neural Bases of Learning and Memory (3 cr.)<sup>3</sup>  
PSY-P 456 Reproductive Neuroscience (3 cr.)  
PSY-P 457 Topics in Psychology **with topic The Social Brain** (3 cr.)  
PSY-P 469 Stress Effects on Brain and Behavior (3 cr.)

### **Supervised Research/Internship**

★ **Research experience must be approved in advance.** 3 credit hours minimum; laboratories must be affiliated with CISAB. See CISAB website for details.

ABEH-X 473 Animal Behavior Internship  
ABEH-X 491 Independent Study in Animal Behavior  
ANTH-X 476 Museum Practicum  
ANTH-X 477 Fieldwork in Anthropology  
ANTH-X 478 (Field Study in Anthropology  
ANTH-X 479 Fieldwork in Bioanthropology  
BIOL-X 490 (or BIOL-L 490) Research in Biology  
CHEM-X 399 Research in Chemistry  
COGS-X 497 Research in the Cognitive and Information Sciences  
COGS-X 498 Project in the Cognitive and Information Sciences  
COGS-Q 499 Honors Research Project in the Cognitive and Information Sciences  
PHYS-X 498 Research Project  
PSY-X 397 Supervised Research I  
PSY-X 398 Supervised Research II  
PSY-X 497 Supervised Research III  
PSY-X 498 Capstone Supervised Research  
PSY-P 499 Honors Thesis Research

<sup>1</sup> Topic of ABEH-A 401 must be in appropriate perspective area.

<sup>2</sup> Course counts either as formal lab or in Evolutionary/Ecological area, not both.

<sup>3</sup> Course may be counted in only one perspectives area.

<sup>4</sup> LING-L 210 with Animal Communication topic also fulfills this requirement.