

# EVOLUTION AND BEHAVIOR

This Curriculum Guide is **not** a major or minor plan; it is a list of recommended courses for students intending to pursue graduate school or careers in any number of disciplines with a focus on bio-evolutionary psychology, bioanthropology, animal behavior, veterinary medicine, natural resources or wildlife biology.

**Note on Pre-requisites:** Many of these courses have pre-requisites. Please refer to the current LSA Course Guide for information regarding which courses are required. It is important that pre-requisites are taken early in a student's academic career so that they will be completed in time to take the desired course.

**All of the Psychology courses below are included in both the Psychology & BCN major plans.** To determine which requirement a course fulfills, view the major worksheets at [www.myumi.ch/6OvRe](http://www.myumi.ch/6OvRe).

## BREADTH/GATEWAY COURSES

The following courses are recommended to be taken early in the student's major plan as they serve as prerequisites to many upper division courses.

- *PSYCH 230 Intro to Behavioral Neuroscience*
- *PSYCH 235 Intro to Evolution & Behavior*
- *PSYCH 240 Intro to Cognitive Psychology*
- *PSYCH 270 Intro to Abnormal Psychology*

## LAB COURSES

The following courses may be used to satisfy a major lab requirement.

- *Psych 303 Research Methods in Psychology*
- *Psych 326 Faculty Directed Early Research for Psychology as a Natural Science*
- *PSYCH 331 Research Methods in Brain, Behavior, and Cognitive Science*
- *PSYCH 366 Field Biology and Behavioral Methods*

## UPPER LEVEL ELECTIVES/ADVANCED COURSES

Students are advised to take as many upper-division courses as possible to fulfill major credit hours. Most students wishing to specialize in this area are advised to take more than the minimum 32 credits required.

**\*\*Courses below not in italics may be used to satisfy the BCN cognate requirement.\*\***

- *PSYCH 332 Biological Rhythms and Behavior*
- *PSYCH 337 Hormones and Behavior*
- *PSYCH 338 Primate Behavior*
- *PSYCH 339 Biopsychology of Cooperation*
- *PSYCH 363 Human Cognitive Evolution*
- *PSYCH 364 Biopsychology of Sports*
- *PSYCH 365 Advanced Animal Behavior*
- *PSYCH 385 Sex and Survival*
- *PSYCH 430 Topics in Biopsychology*
- *PSYCH 432 Advanced Topics in Evolutionary and Comparative Psychology*
- *PSYCH 434 Neuroscience of Fear & Anxiety*
- *PSYCH 436 Sleep: Brain & Behavior, From Flies to Humans*
- *PSYCH 439 The Developing Brain*
- *PSYCH 446 Altruism*
- *PSYCH 461 Animal Cognition*
- *PSYCH 462 Primate Communication & Language*
- *PSYCH 464 Mammalian Social Behavior*
- *PSYCH 465 Evolution & Human Nature*
- *PSYCH 468 Evolutionary Endocrinology*
- *PSYCH 469 Advanced Primate Behavior*

## COGNATE LIST

BCN majors are required to take 1 cognate course. These courses are recommended to give students a experience in an area complimentary to evolution and behavior.

- ANATOMY 403 Human Anatomy: Structure and Function
- ANTHROBIO 478 (568) Primate Behavioral Ecology and Sociobiology
- BIOLOGY 225 Principles of Animal Physiology: Lecture
- BIOLOGY 305 Genetics
- EEB (BIO) 390 Evolution
- EEB 451/Environ 451/NRE 451 Biology of Mammals
- EEB 492 Behavioral Ecology
- MCDB 310 or 311 Intro to Biochemistry
- CHEM 351 Fundamentals of Biochemistry
- MCDB 422 Brain Development, Plasticity, and Circuits

## INTERDISCIPLINARY COURSES

These courses found across the university are recommended to give students a broad, interdisciplinary background in the area of evolution and behavior. Students should consider how these courses may be used to satisfy other degree requirements (e.g. Area Distribution credit, Race and Ethnicity, Quantitative Reasoning, and Upper Level Writing Requirements).

- ANATOMY 403 Human Anatomy: Structure and Function
- ANATOMY 541 Mammalian Reproductive Physiology
- ANTHRIBIO 201 How Humans Evolved
- ANTHRIBIO 365 Human Evolution
- BIOLOGY 226 Human and Animal Physiology Laboratory
- EEB 372 General Ecology Laboratory
- EEB 390 Evolution
- WGS 220 Perspectives in Womens Health
- WOMENSTD 400 Women's Reproductive Health

# CO-CURRICULAR GUIDE

NOT AN EXHAUSTIVE LIST

Adaptive Gymnastics - [https://maizepages.umich.edu/organization/A\\_G](https://maizepages.umich.edu/organization/A_G)

Adventure Racing, Rogaining, and Orienteering Team at the University of Michigan - <https://maizepages.umich.edu/organization/arro>

Anthropology Club - <https://lsa.umich.edu/anthro/undergraduates/student-opportunities/michigan-anthropological-society.html>

Be the Match - <https://bethematch.org/tcdirectory/index/137/>

Bioethics Society - [https://maizepages.umich.edu/organization/bioethics\\_society](https://maizepages.umich.edu/organization/bioethics_society)

BIONIC - <https://biointerfaces.umich.edu/work-with-us/>

Birthing Project USA- UM Chapter - <https://www.facebook.com/UniversityofMichiganBPUSA/>

BLUElab - <http://bluelab.engin.umich.edu/>

Call for Humanity - <https://maizepages.umich.edu/organization/callforhumanity>

Care about Rare - <https://maizepages.umich.edu/organization/careaboutrare>

Circle K - <https://mccirclek.org/ck/>

CURE-Michigan - <https://maizepages.umich.edu/organization/CUREMichigan>

Ethical Investments - <http://ethicalinvestments.club/>

Evolve - <https://evolvemichigan.org/>

FeelGood - <https://feelgoodumich.wordpress.com/>

Food Recovery Network at the University of Michigan - <http://sustainability.umich.edu/environ211/food-recovery-network>

Friends of the Campus Farm - <http://sustainability.umich.edu/umsfp/about/campus-farm>

Habitat for Humanity at the University of Michigan - <http://www.habitatum.org/>

Journal of Bioethics and Social Sciences in Medicine at the University of Michigan - <http://cbssm.med.umich.edu/>

Kids are Scientists Too at the University of Michigan - <https://kast.org/about-us/>

Michigan Aquaponics - <https://www.umichaquaponics.org/>

Michigan Association of Psychological Scholars - <https://sites.lsa.umich.edu/maps/>

Michigan DNA Day - <https://maizepages.umich.edu/organization/midnaday>

Michigan Eco Data - [https://maizepages.umich.edu/organization/eco\\_data](https://maizepages.umich.edu/organization/eco_data)

Michigan GIVERs - <https://maizepages.umich.edu/organization/michiangivers>

Michigan Pencils of Promise - <https://www.facebook.com/popatumich/>

Perch - <http://umich.edu/~perchres/>

Phalombe Initiative for Education - <https://maizepages.umich.edu/organization/PIE>

PILOT - <https://maizepages.umich.edu/organization/PILOT>

Psi Chi - <https://sites.google.com/prod/view/psichiatumich>

Student Sustainability Initiative - <http://sustainability.umich.edu/ssi>

THE AMERICAN RED CROSS CLUB - [https://maizepages.umich.edu/organization/washtenaw\\_lenawee\\_arcc](https://maizepages.umich.edu/organization/washtenaw_lenawee_arcc)

UMBees - <http://sustainability.umich.edu/umsfp/about/organization/umbees>

Undergraduate Psychology Society - <https://maizepages.umich.edu/organization/ups>

University of Michigan Undergraduate Research Journal - <https://www.umurj.org/>