

BRAIN, BEHAVIOR, AND COGNITIVE SCIENCE

CONCENTRATION WORKSHEET

Students may declare the BBCS concentration once they have passed an Introductory Psychology course with a grade of “C” or better.

BBCS concentrators must meet the concentration requirements for Prerequisite, Core Courses, Statistics, Advanced BBCS Courses, Labs, Cognate, and Social Psychology as outlined in this Worksheet, and must earn at least 34 credits to fulfill the concentration. Some courses that are graded “credit/no credit” may be used to satisfy the requirement for a laboratory course. Credits from these courses can accrue toward the 120 credits required by LSA, but do not count toward the 34 credits needed to complete the BBCS concentration. No 100-level courses may be applied to the concentration.

Brain, Behavior, and Cognitive Science concentrators are urged to consult with an advisor within the Department periodically to review their progress toward the concentration requirements.

√	BBC COURSES (PSYCH unless noted otherwise. Prior course numbers are in parentheses.)	Term Completed	Credits	Grade
PREREQUISITE TO THE CONCENTRATION				
Completion of one Introductory Psychology course with a grade of C or better is required before declaring a BBC concentration. Only one of the following prerequisite courses may be taken for credit. Introductory Psychology courses do not count toward concentration credits.				
	111: Introduction to Psychology			
	112: Introduction to Psychology as a Natural Science			
	114: Honors Introduction to Psychology			
	115: Honors Introduction to Psychology as a Natural Science			
BBC CORE REQUIREMENT				
One course from each of the following two groups must be completed (for a total of two classes). Courses used to satisfy the core course requirement may not also be used to satisfy the <i>Advanced Course in Biopsychology and Cognitive Psychology</i> requirement.				
Biopsychology (one course)				
	230 (330): Introduction to Biopsychology		4	
	335: Introduction to Animal Behavior		4	
Cognitive Psychology (one course)				
	240 (340): Introduction to Cognitive Psychology		4	
	345: Introduction to Human Neuropsychology		4	
STATISTICS REQUIREMENT				
Courses are offered through the Statistics Department. One of the following two options must be completed:				
#1 Statistics Option I (one course)				
	STATS 350 (402): Introduction to Statistics and Data Analysis		4	
#2 Statistics Option II (two courses) for those who want a stronger mathematical foundation.				
	STATS 425: Introduction to Probability		3	
	STATS 426: Introduction to Theoretical Statistics		3	
BBC SOCIAL SCIENCE REQUIREMENT				
One course from the following list:				
	250 (350): Introduction to Developmental Psychology		4	
	260 (360): Introduction to Organizational Psychology		4	
	270 (370): Introduction to Psychopathology		4	
	280 (380): Introduction to Social Psychology		4	
	290 (390): Introduction to Personality Psychology		4	

BBC LAB REQUIREMENT

At least two different courses for a minimum of five credits total from the following list of classes. At least **one** course must come from the Methods-based lab group. Each course must be taken for a minimum of two credits and be completed in a single academic term. Only one non-departmental course may be elected to satisfy the lab requirement.

Methods-based Labs

231: Brain, Learning, and Memory	4	
303: Research Methods in Psychology	3	
331: Laboratories in Biopsychology (also listed in Research-based Labs)	4	
341: Advanced Laboratory in Cognitive Psychology	4	
342: Laboratory in Judgment and Decision Making	3	

Research-based Labs

Research-based Lab -- Credit/No Credit

322 (408): Field Practicum in Research Techniques/Natural Science EX	1	
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Research-based Labs -- Letter-Graded

326: Faculty Directed Early Research for Psychology as a Natural Science	1-4	
331: Laboratories in Biopsychology (also listed in Methods-based Labs)	4	
422 (505): Faculty Directed Advanced Research/Natural Science IN	1-6	
424 (510): Senior Honors Research I/Natural Science	2-4	
426 (511): Senior Honors Research II/Natural Science	2-4	

Biology-based Labs (courses not offered through the Psychology Department)

Only one biology-based lab may be used towards the BBC lab requirement.

BIOLOGY 226: Animal Physiology Laboratory	2	
EEB 381: General Ecology	5-6	
EEB 493: Lab in Animal Behavior	3	
MCDB 306 (BIOLOGY 306): Introductory Genetics Laboratory	3	
MCDB 308 (BIOLOGY 308): Developmental Biology Laboratory	3	
MCDB 423 (BIOLOGY 423): Introduction to Research in Cellular and Molecular Neurobiology	3	
MCDB 429 (BIOLOGY 429): Laboratory in Cell & Molecular Biology (only if taken before September 1, 2004)	3	

COGNATE COURSE REQUIREMENT

One course from the following list. A substitute may be used if approved by a BBCS Advisor and documented in the student's academic file.

ANTHROBIO 467: Human Behavioral Ecology	3-4	
ANTHROBIO 568: Primate Behavioral Ecology and Sociobiology	3	
BIOLCHEM 415: Introduction to Biochemistry	3	
BIOLOGY 208: Embryology	3	
BIOLOGY 222: From Message to Mind: An Introduction to Neurobiology	3	
BIOLOGY 225: Principles of Animal Physiology: Lecture	3	
BIOLOGY 305: Genetics	4	
BIOLOGY 310 or 311: Introduction to Biochemistry	4	
BIOLOGY 390: Evolution	4-5	
EEB 381(BIOLOGY 381): General Ecology	5-6	
EEB 433 (BIOLOGY 433): Ornithology (ENVIRON 433/NRE 433) (only if taken before September 1, 2004)	4	
EEB 440 (BIOLOGY 440): Biology of Fishes (ENVIRON 442/NRE 442)	3	
EEB 442 (BIOLOGY 442): Biology of Insects	5	
EEB 444: Fish Behavior (inactive)	4	
EEB 450 (BIOLOGY 450): Biology of Amphibians and Reptiles	5	
EEB 451 (BIOLOGY 451): Biology of Mammals (ENVIRON 451/NRE 451)	4	
EEB 478: Advanced Ecology (inactive) (only if taken before September 1, 2004)	3	
EEB 481 (BIOLOGY 481): Population Dynamics and Ecology	4	
EEB 492 (BIOLOGY 492): Behavioral Ecology	4-5	
EECS 281: Data Structures and Algorithms	4	

EECS 492: Introduction to Artificial Intelligence	4	
LING 315: Introduction to Syntax	2-3	
LING 514: Semantics and Pragmatics	2-3	
LING 555: Introduction to Cognitive Grammar (inactive)	2-3	
MCDB 307(BIOLOGY 307): Developmental Biology	3	
MCDB 418 (BIOLOGY 418): Endocrinology	3	
MCDB 422 (BIOLOGY 422): Cellular and Molecular Neurobiology	3	
MCDB 425 (BIOLOGY 425): Systems Neurobiology (only if taken before September 1, 2004)	3	
MCDB 534: Developmental Neurobiology (inactive) (only if taken before September 1, 2004)	3	
PHIL 345: Language and Mind	2-3	
PHIL 450: Philosophy of Cognition	3	
PHIL 482: Philosophy of Mind	2-3	
STATS 401: Applied Statistical Methods II	4	
STATS 406: Introduction to Statistical Computing	4	
ADVANCED COURSES IN BIOPSYCHOLOGY AND COGNITIVE PSYCHOLOGY REQUIREMENT		
Four courses for a minimum total of 12 credits in biopsychology or cognitive science, selected from the following list. Psychology 230, 335, 240, or 345 may be used only if they are not also used toward the core requirement above.		
230 (330): Introduction to Biopsychology	4	
232: Evolutionary Biology and Human Disease (inactive)	4	
240 (340): Introduction to Cognitive Psychology	4	
335: Introduction to Animal Behavior	4	
338 (437): Primate Social Behavior I	4	
344: Second Language Acquisition	3	
345: Introduction to Human Neuropsychology	4	
346 (443): Learning and Memory	3	
347 (444): Perception	3	
348 (447): Psychology of Thinking	3	
349: Talking Minds	3	
400: Special Problems in Psychology as a Natural Science	1-4	
420 (507): Faculty Directed Advanced Tutorial Reading - Natural Science [IN]	1-6	
431: Biopsychology of Animal and Human Behavior (inactive)	3	
432: Reproductive Behavior in Mammals	3	
433: Biopsychology of Motivation	3	
434: Biopsychology of Learning and Memory	3	
435: Biological Rhythms and Behavior	3	
436: Drugs of Abuse, Brain and Behavior	3	
437: Current Topics in Biopsychology	3	
438: Hormones and Behavior	3	
439: Behavioral Biology of Women	4	
445: Psychology of Language	3	
446: Human Factors Psychology	3	
447: Current Topics in Cognition and Perception	3	
448: Mathematical Psychology	3	
449 (542): Decision Processes	3	
530: Advanced Topics in Comparative and Evolutionary Psychology	3	
531: Advanced Topics in Biopsychology	3	
532: Mammalian Reproductive Endocrinology	4	
533: Sleep: Neurobiology, Medicine, & Society	3	
541: Advanced Topics in Cognition and Perception	3	

Psychology Department Concentration Advising

Date _____

Unfulfilled Requirements

Class Planning

Fall:

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Winter:

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Spring/Summer:

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Other notes: