# **University of Michigan - Department of Psychology**

# Biopsychology, Cognition and Neuroscience (BCN) Major Worksheet

Effective 9/8/2015

- Students may declare the BCN major once they have passed an Introductory Psychology course (with a "C" or better), Statistics 250 (with a "C-" or better), and complete an online Orientation. The combined GPA of these two courses must be a 2.0 or higher.
- Some courses that are graded "credit/no credit" may be used to satisfy the categorical requirement for a laboratory course, but do not count toward the 32 credits needed to complete the BCN major.
- Note that all courses, including pre-requisites, must be taken for a letter grade (with the exception of selected non-graded experiential
- BCN majors are urged to consult with an advisor within the Department at least once per year to review their progress toward the major requirements.

PRE-REQUISITES TO DECLARE THE MAJOR	Typically Taught	# of Seats	Grade	Credits UM-AA	МНР
Note: Credits from pre-requisites do not count toward the 32 required major credits. Courses is shaded cannot be applied toward the 32 major credit minimum.	shown be	low wher	e the "Cı	redits" c	column
☐ Complete one Introductory Psychology Course (with a "C" or better):					
AP credit for Psych 111 (score 4 or 5 on AP Psych exam)				4	
111 (Introduction to Psychology)	Fall/Winter	1200		4	
112 (Introduction to Psychology as a Natural Science)	Fall/Winter	480		4	
114 (Honors Introduction to Psychology)				4	
115 (Honors Introduction to Psychology as a Natural Science)				4	
Complete one Statistics Course (with a "C-" or better):  AP credit for Stats 180 will <i>not</i> fulfill the Stats pre-req. Students with Stats 180 credit may take Stats 250 at UM to fulf or take Stats 280 at UM (without losing Stats 180 credit)  Stats 250 (Introduction to Statistics and Data Analysis) OR  Stats 280 (Honors Introduction to Statistics and Data Analysis)	ill this require	ement (but v	vill lose the	eir Stats 1	80 credit),

Complete three Gateway Courses:  Note: One course from each of the following three gateway groups must be completed. Courses us requirement may not also be used toward the advanced course requirement.  Biopsychology Gateway	sed to satisfy	y the gate	eway cou	ırse
				AI SE
230 (Introduction to Behavioral Neuroscience) Fall/W	inter 300		4	
Cognitive Psychology Gateway				
240 (Introduction to Cognitive Psychology)	inter 425	5	4	<u> </u>
Social Science Gateway			1	
250 (Introduction to Developmental Psychology) OR Fall/W			4	
270 (Introduction to Psychopathology) OR Fall/W			4	<u> </u>
280 (Introduction to Social Psychology) OR Fall/W			4	
290 (Introduction to Personality Psychology) OR Once/	Year 240	)	4	
291 (Introduction to the Psychology of Women and Gender)  Once/	Year 120	)	4	

The lab requirement must be met in one of the following three ways for a minimum of 5 credits. Each course must be taken for at least 2 credits in a single term. Please note that at least one course must be within the Psychology Department (only one Bio-based lab may be

- Option 1: One course from A (Methods Based Labs) AND one course from B (Research Based Labs)
- Option 2: Two courses from A (Methods Based Labs)
- Option 3: Honors Thesis, Senior Thesis, or Advanced Research. Students must have their plan approved by a major advisor. See below for details.

#### Methods-Based Labs

302 (Re	esearch Methods in Cognitive Neuroscience)	Fall/Winter	150	3	
303 (Re	esearch Methods in Psychology)	Fall/Winter	240	3	
331 (Re	esearch Methods in Brain, Behavior, and Cognitive Science) by application	Fall/Winter	50	4	
341 (Ad	dvanced Laboratory in Cognitive Psychology)	Fall/Winter	25	3	
342 (Cr	ritical Thinking Research Methods)		30	3	
422 (Fa	aculty Directed Advanced Research/Natural Science)			2 - 4	
	aculty Directed Advanced Research/Upper Level Writing)			2 - 4	
451 (Ad	dvanced Research in Adolescent Psychology)			3	

BCN Lab Requirement, Continued			
Biology 226 (Animal Physiology Laboratory)		2	
EEB 381 (General Ecology)		5 - 6	
EEB 493 (Laboratory in Animal Behavior)		3	
MCDB 306 (Introductory Genetics Laboratory)		3	
MCDB 308 (Developmental Biology Laboratory)		3	
MCDB 423 (Introduction to Research in Cellular and Molecular Neurobiology)		3	

B – Research-Based Labs	
226 (Undergraduate Research in Psychology - UROP)	2-4
322 (Field Practicum in Research Techniques/Natural Science)*	C/NC
326 (Faculty Directed Early Research for Psychology as a Natural Science)	2 - 4
422 (Faculty Directed Advanced Research/Natural Science)	2 - 4
423 (Faculty Directed Advanced Research/Upper Level Writing)	2 - 4

Note: Experiential based labs that are non-graded (graded Credit/No Credit) may fulfill the categorical requirement for this lab, however, the credits do not count toward the 32 concentration credits. If credit amounts are listed next to the course, the credits may be applied to the 32 concentration credits. Students are allowed a maximum of 6 credits total toward their degree of the following courses: 322, 326.

# **Psychology Thesis Options:**

Honors or Senior Thesis Research Sequence - Honors and Senior Thesis courses are considered to be experiental lab credit. Students may use Psych 424 or first term of 428 as a second lab; Students may use Psych 426 or second term of 428 as a methods lab or second lab. Must see an Advisor to determine how these courses will count towards your plan.

	•			
424 (Senior Honors Research I/Natural Science)			2 - 4	
426 (Senior Honors Research II/Natural Science/Upper Level Writing)			2 - 4	
428 (Senior Thesis: Research in Psychology as a Natural Science) term I			3	
428 (Senior Thesis: Research in Psychology as a Natural Science/Upper Level Writing) term I			3	

BCN Cognate Requirement	Typically Taught	# of Seats	Grade	Credits UM-AA	МНР
ne course from this list or a Psychology 300-400 level course (lect/sem) <b>not</b> on the BCN Advanced Cou	rse list (below)	is required	d.		
Anatomy 403 (Human Anatomy: Structure and Function)				5	
Anthrobio 467 (Human Behavioral Ecology)				3 - 4	
Anthrobio 478 (568) (Primate Behavioral Ecology and Sociobiology)				3	
Biolchem 415 (Introduction to Biochemistry)				3	
Biology 205 (Developmental Biology)				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)				3	
CogSci 200 (Intro to Cognitivie Science)				4	
EEB 381 (General Ecology)				5 - 6	
EEB (BIO) 390 (Evolution)				3	
EEB 440/Environ 442/NRE 442 (Biology of Fishes)				3	
EEB 442 (Biology of Insects)				5	
EEB 450 (Biology of Amphibians and Reptiles)				5	
EEB 451/Environ 451/NRE 451 (Biology of Mammals)				4	
EEB 481 (Population Dynamics and Ecology)				4	
EEB 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)				3	
MCDB 310 or 311 (Intro to Biochemistry) or Chem 351 (Fundamentals of Biochemistry)				4	
MCDB 418 (Endocrinology)				3	
MCDB 422 (Cellular and Molecular Neurobiology)				3	
Phil 340 (Minds and Machines)				4	
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	

# BCN Advanced Course Requirement

Students must take at least 4 courses for at least 12 credits. 2 courses must be at the 300-level and one course at the 400-level. Note: Psych 420 may NOT be the only 400-level course. Courses in Psychology (upper level, 300+, lecture/seminar based) not on this list may be used to satisfy Cognate requirement.

## 300-Level Courses:

330 (Topics in Biopsych)	Occasional	60-180	3	
332 (Biopsychology of Rhythms and Behavior)	Occasional	60-180	3	
333 (Affective Neuroscience)	Occasional	60-180	3	
334 (Neuroscience of Learning and Memory)	Occasional	60-180	3	

39 (Biopsychology of Cooperation) 40 (Topics in CCN) 43 (Cognitive Neuroscience of Learning and Memory) 44 (Second Language Acquisition) 45 (Human Neuropsychology) 46 (Learning and Memory) 47 (Perception) 48 (Psychology of Thinking) 49 (Talking Minds) 52 (Development of Language and Thought) 55 (Cognitive Development) 56 (Educational Psychology) 58 (Psychology of Adolescence) 59 (Psychology of Aging)  00-Level Courses: 02 (Special Topics in Psychology) 13 (History of Modern Psychology) 20 (Tutorial Reading/Independent Study) 30 (Selected Topics in Behavioral Neuroscience) 32 (Selected Topics in Behavioral Neuroscience) 32 (Selected Topics in Neuroscience) 33 (Selected Topics in Neuroscience) 34 (Neuroscience of Fear and Anxiety) 35 (Neurobiology of Attention and Attention Disorders) 38 (Primate Social Behavior II) 39 (Evolutionary Endocrinology) 40 (Current Topics in Cognitive Neuroscience) 41 (Neuroscience and Society) 42 (The Neuroscience of Percetion) 43 (Creativity) 44 (Cognitive Aging)	Occasional		4
38 (Primate Social Behavior I) 39 (Biopsychology of Cooperation) 40 (Topics in CCN) 43 (Cognitive Neuroscience of Learning and Memory) 44 (Second Language Acquisition) 45 (Human Neuropsychology) 46 (Learning and Memory) 47 (Perception) 48 (Psychology of Thinking) 49 (Talking Minds) 52 (Development of Language and Thought) 55 (Cognitive Development) 56 (Educational Psychology) 58 (Psychology of Adolescence) 59 (Psychology of Adolescence) 59 (Psychology of Aging)  00-Level Courses: 02 (Special Topics in Psychology) 20 (Tutorial Reading/Independent Study) 30 (Selected Topics in Biopsychology) 31 (Selected Topics in Behavioral Neuroscience) 32 (Selected Topics in Neuroscience) 33 (Selected Topics in Neuroscience) 34 (Neuroscience of Fear and Anxiety) 35 (Neurobiology of Attention and Attention Disorders) 38 (Primate Social Behavior II) 39 (Evolutionary Endocrinology) 40 (Current Topics in Cognitive Neuroscience) 41 (Neuroscience and Society) 42 (The Neuroscience of Percetion) 43 (Creativity) 44 (Cognitive Aging)		60-180	3
440 (Topics in CCN) 443 (Cognitive Neuroscience of Learning and Memory) 444 (Second Language Acquisition) 445 (Human Neuropsychology) 446 (Learning and Memory) 447 (Perception) 448 (Psychology of Thinking) 449 (Talking Minds) 452 (Development of Language and Thought) 455 (Cognitive Development) 456 (Educational Psychology) 458 (Psychology of Adolescence) 459 (Psychology of Adolescence) 459 (Psychology of Adolescence) 400 (Special Topics in Psychology) 413 (History of Modern Psychology) 420 (Tutorial Reading/Independent Study) 430 (Selected Topics in Behavioral Neuroscience) 431 (Selected Topics in Neuroscience) 432 (Selected Topics in Neuroscience) 433 (Selected Topics in Neuroscience) 434 (Neuroscience of Fear and Anxiety) 435 (Neurobiology of Attention and Attention Disorders) 438 (Primate Social Behavior II) 439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging)	Occasional	60-180	3
145 (Human Neuropsychology) 146 (Learning and Memory) 147 (Perception) 148 (Psychology of Thinking) 149 (Talking Minds) 152 (Development of Language and Thought) 155 (Cognitive Development) 156 (Educational Psychology) 158 (Psychology of Adolescence) 159 (Psychology of Aging) 150-Level Courses: 150 (Special Topics in Psychology) 131 (History of Modern Psychology) 132 (Tutorial Reading/Independent Study) 130 (Selected Topics in Biopsychology) 131 (Selected Topics in Behavioral Neuroscience) 132 (Selected Topics in Evolutionary and Comparative Psychology) 133 (Selected Topics in Neuroscience) 134 (Neuroscience of Fear and Anxiety) 135 (Neurobiology of Attention and Attention Disorders) 136 (Primate Social Behavior II) 137 (Evolutionary Endocrinology) 148 (Current Topics in Cognitive Neuroscience) 149 (The Neuroscience of Percetion) 140 (Current Topics in Cognitive Neuroscience) 141 (Neuroscience and Society) 142 (The Neuroscience of Percetion) 143 (Creativity) 144 (Cognitive Aging)	Fall term	300	4
143 (Cognitive Neuroscience of Learning and Memory) 144 (Second Language Acquisition) 145 (Human Neuropsychology) 146 (Learning and Memory) 147 (Perception) 148 (Psychology of Thinking) 149 (Talking Minds) 150 (Development of Language and Thought) 151 (Cognitive Development) 152 (Development of Language and Thought) 153 (Psychology of Adolescence) 154 (Psychology of Adolescence) 155 (Psychology of Adolescence) 156 (Special Topics in Psychology) 157 (History of Modern Psychology) 158 (Psychology of Neuropsychology) 159 (Special Topics in Psychology) 150 (Selected Topics in Behavioral Neuroscience) 150 (Selected Topics in Behavioral Neuroscience) 151 (Selected Topics in Evolutionary and Comparative Psychology) 158 (Selected Topics in Fear and Anxiety) 159 (Selected Topics in Neuroscience) 159 (Psychology of Attention and Attention Disorders) 150 (Selected Topics in Cognitive Neuroscience) 150 (Psychology of Attention and Selectece) 150 (Psychology of Attention of Percetion) 150 (Psychology of Attention of Percetion) 150 (Psychology of Language)	Occasional	60-180	3
344 (Second Language Acquisition) 345 (Human Neuropsychology) 346 (Learning and Memory) 347 (Perception) 348 (Psychology of Thinking) 349 (Talking Minds) 352 (Development of Language and Thought) 355 (Cognitive Development) 356 (Educational Psychology) 358 (Psychology of Adolescence) 359 (Psychology of Adolescence) 359 (Psychology of Aging) 360 (Level Courses: 370 (Special Topics in Psychology) 371 (History of Modern Psychology) 372 (Tutorial Reading/Independent Study) 373 (Selected Topics in Biopsychology) 374 (Selected Topics in Behavioral Neuroscience) 375 (Selected Topics in Evolutionary and Comparative Psychology) 376 (Selected Topics in Neuroscience) 377 (Neuroscience of Fear and Anxiety) 378 (Pirmate Social Behavior II) 379 (Evolutionary Endocrinology) 370 (Current Topics in Cognitive Neuroscience) 377 (The Neuroscience and Society) 378 (Primate Social Cognitive Neuroscience) 379 (Frimate Social Cognitive Neuroscience) 370 (Current Topics in Cognitive Neuroscience) 371 (Neuroscience and Society) 372 (The Neuroscience of Percetion) 373 (Preativity) 374 (Cognitive Aging)	Occasional	60-180	3
344 (Second Language Acquisition) 345 (Human Neuropsychology) 346 (Learning and Memory) 347 (Perception) 348 (Psychology of Thinking) 349 (Talking Minds) 352 (Development of Language and Thought) 355 (Cognitive Development) 356 (Educational Psychology) 358 (Psychology of Adolescence) 359 (Psychology of Aging) 400-Level Courses: 402 (Special Topics in Psychology) 413 (History of Modern Psychology) 430 (Selected Topics in Biopsychology) 431 (Selected Topics in Behavioral Neuroscience) 432 (Selected Topics in Behavioral Neuroscience) 433 (Selected Topics in Neuroscience) 434 (Neuroscience of Fear and Anxiety) 435 (Neurobiology of Attention and Attention Disorders) 436 (Primate Social Behavior II) 437 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging)	Occasional	60-180	3
346 (Learning and Memory) 347 (Perception) 348 (Psychology of Thinking) 349 (Talking Minds) 352 (Development of Language and Thought) 355 (Cognitive Development) 356 (Educational Psychology) 358 (Psychology of Adolescence) 359 (Psychology of Aging) 400-Level Courses: 402 (Special Topics in Psychology) 413 (History of Modern Psychology) 420 (Tutorial Reading/Independent Study) 430 (Selected Topics in Biopsychology) 431 (Selected Topics in Behavioral Neuroscience) 432 (Selected Topics in Evolutionary and Comparative Psychology) 433 (Selected Topics in Neuroscience) 434 (Neuroscience of Fear and Anxiety) 435 (Neurobiology of Attention and Attention Disorders) 438 (Primate Social Behavior II) 439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging)	Win term	30	3
347 (Perception) 348 (Psychology of Thinking) 349 (Talking Minds) 352 (Development of Language and Thought) 355 (Cognitive Development) 356 (Educational Psychology) 358 (Psychology of Adolescence) 359 (Psychology of Aging) 400-Level Courses: 402 (Special Topics in Psychology) 413 (History of Modern Psychology) 420 (Tutorial Reading/Independent Study) 430 (Selected Topics in Behavioral Neuroscience) 431 (Selected Topics in Behavioral Neuroscience) 432 (Selected Topics in Neuroscience) 433 (Selected Topics in Neuroscience) 434 (Neuroscience of Fear and Anxiety) 435 (Neurobiology of Attention and Attention Disorders) 436 (Primate Social Behavior II) 439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging) 444 (Cognitive Aging)	Once/Year	150	4
348 (Psychology of Thinking) 349 (Talking Minds) 352 (Development of Language and Thought) 355 (Cognitive Development) 356 (Educational Psychology) 358 (Psychology of Adolescence) 359 (Psychology of Aging) 400-Level Courses: 402 (Special Topics in Psychology) 413 (History of Modern Psychology) 420 (Tutorial Reading/Independent Study) 430 (Selected Topics in Biopsychology) 431 (Selected Topics in Behavioral Neuroscience) 432 (Selected Topics in Evolutionary and Comparative Psychology) 433 (Selected Topics in Neuroscience) 434 (Neuroscience of Fear and Anxiety) 435 (Neurobiology of Attention and Attention Disorders) 438 (Primate Social Behavior II) 439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging)	Once/Year	60	3
349 (Talking Minds) 352 (Development of Language and Thought) 355 (Cognitive Development) 356 (Educational Psychology) 358 (Psychology of Adolescence) 359 (Psychology of Aging) 400-Level Courses: 402 (Special Topics in Psychology) 413 (History of Modern Psychology) 420 (Tutorial Reading/Independent Study) 430 (Selected Topics in Biopsychology) 431 (Selected Topics in Behavioral Neuroscience) 432 (Selected Topics in Evolutionary and Comparative Psychology) 433 (Selected Topics in Neuroscience) 434 (Neuroscience of Fear and Anxiety) 435 (Neurobiology of Attention and Attention Disorders) 438 (Primate Social Behavior II) 439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging)	Fall/Winter	30	3
352 (Development of Language and Thought) 355 (Cognitive Development) 356 (Educational Psychology) 358 (Psychology of Adolescence) 359 (Psychology of Aging) 400-Level Courses: 402 (Special Topics in Psychology) 413 (History of Modern Psychology) 420 (Tutorial Reading/Independent Study) 430 (Selected Topics in Biopsychology) 431 (Selected Topics in Behavioral Neuroscience) 432 (Selected Topics in Evolutionary and Comparative Psychology) 433 (Selected Topics in Neuroscience) 434 (Neuroscience of Fear and Anxiety) 435 (Neurobiology of Attention and Attention Disorders) 438 (Primate Social Behavior II) 439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging)	Once/Year	60	3
355 (Cognitive Development) 356 (Educational Psychology) 358 (Psychology of Adolescence) 359 (Psychology of Aging) 400-Level Courses: 402 (Special Topics in Psychology) 413 (History of Modern Psychology) 420 (Tutorial Reading/Independent Study) 430 (Selected Topics in Biopsychology) 431 (Selected Topics in Behavioral Neuroscience) 432 (Selected Topics in Evolutionary and Comparative Psychology) 433 (Selected Topics in Neuroscience) 434 (Neuroscience of Fear and Anxiety) 435 (Neurobiology of Attention and Attention Disorders) 438 (Primate Social Behavior II) 439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging)	Occasional	75	3
356 (Educational Psychology) 358 (Psychology of Adolescence) 359 (Psychology of Aging) 400-Level Courses: 402 (Special Topics in Psychology) 413 (History of Modern Psychology) 420 (Tutorial Reading/Independent Study) 430 (Selected Topics in Biopsychology) 431 (Selected Topics in Behavioral Neuroscience) 432 (Selected Topics in Evolutionary and Comparative Psychology) 433 (Selected Topics in Neuroscience) 434 (Neuroscience of Fear and Anxiety) 435 (Neurobiology of Attention and Attention Disorders) 438 (Primate Social Behavior II) 439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging)	Once/Year	30	3
358 (Psychology of Adolescence) 359 (Psychology of Aging) 400-Level Courses: 402 (Special Topics in Psychology) 413 (History of Modern Psychology) 420 (Tutorial Reading/Independent Study) 430 (Selected Topics in Biopsychology) 431 (Selected Topics in Behavioral Neuroscience) 432 (Selected Topics in Evolutionary and Comparative Psychology) 433 (Selected Topics in Neuroscience) 434 (Neuroscience of Fear and Anxiety) 435 (Neurobiology of Attention and Attention Disorders) 438 (Primate Social Behavior II) 439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging)	Once/Year		3
400-Level Courses: 402 (Special Topics in Psychology) 413 (History of Modern Psychology) 420 (Tutorial Reading/Independent Study) 430 (Selected Topics in Biopsychology) 431 (Selected Topics in Behavioral Neuroscience) 432 (Selected Topics in Evolutionary and Comparative Psychology) 433 (Selected Topics in Neuroscience) 434 (Neuroscience of Fear and Anxiety) 435 (Neurobiology of Attention and Attention Disorders) 438 (Primate Social Behavior II) 439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging) 445 (Psychology of Language)	Fall term	180	4
400-Level Courses: 402 (Special Topics in Psychology) 413 (History of Modern Psychology) 420 (Tutorial Reading/Independent Study) 430 (Selected Topics in Biopsychology) 431 (Selected Topics in Behavioral Neuroscience) 432 (Selected Topics in Evolutionary and Comparative Psychology) 433 (Selected Topics in Neuroscience) 434 (Neuroscience of Fear and Anxiety) 435 (Neurobiology of Attention and Attention Disorders) 438 (Primate Social Behavior II) 439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging) 445 (Psychology of Language)	Occasional	30	3
402 (Special Topics in Psychology) 413 (History of Modern Psychology) 420 (Tutorial Reading/Independent Study) 430 (Selected Topics in Biopsychology) 431 (Selected Topics in Behavioral Neuroscience) 432 (Selected Topics in Evolutionary and Comparative Psychology) 433 (Selected Topics in Neuroscience) 434 (Neuroscience of Fear and Anxiety) 435 (Neurobiology of Attention and Attention Disorders) 438 (Primate Social Behavior II) 439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging) 445 (Psychology of Language)	Occasional	30	3
413 (History of Modern Psychology) 420 (Tutorial Reading/Independent Study) 430 (Selected Topics in Biopsychology) 431 (Selected Topics in Behavioral Neuroscience) 432 (Selected Topics in Evolutionary and Comparative Psychology) 433 (Selected Topics in Neuroscience) 434 (Neuroscience of Fear and Anxiety) 435 (Neurobiology of Attention and Attention Disorders) 438 (Primate Social Behavior II) 439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging) 445 (Psychology of Language)			
420 (Tutorial Reading/Independent Study) 430 (Selected Topics in Biopsychology) 431 (Selected Topics in Behavioral Neuroscience) 432 (Selected Topics in Evolutionary and Comparative Psychology) 433 (Selected Topics in Neuroscience) 434 (Neuroscience of Fear and Anxiety) 435 (Neurobiology of Attention and Attention Disorders) 438 (Primate Social Behavior II) 439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging) 445 (Psychology of Language)	Fall/Winter		3
430 (Selected Topics in Biopsychology) 431 (Selected Topics in Behavioral Neuroscience) 432 (Selected Topics in Evolutionary and Comparative Psychology) 433 (Selected Topics in Neuroscience) 434 (Neuroscience of Fear and Anxiety) 435 (Neurobiology of Attention and Attention Disorders) 438 (Primate Social Behavior II) 439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging) 445 (Psychology of Language)	Win term	30	3
431 (Selected Topics in Behavioral Neuroscience) 432 (Selected Topics in Evolutionary and Comparative Psychology) 433 (Selected Topics in Neuroscience) 434 (Neuroscience of Fear and Anxiety) 435 (Neurobiology of Attention and Attention Disorders) 438 (Primate Social Behavior II) 439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging) 445 (Psychology of Language)	Fall/Winter		2 - 4
432 (Selected Topics in Evolutionary and Comparative Psychology) 433 (Selected Topics in Neuroscience) 434 (Neuroscience of Fear and Anxiety) 435 (Neurobiology of Attention and Attention Disorders) 438 (Primate Social Behavior II) 439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging) 445 (Psychology of Language)	Win term	60	3
433 (Selected Topics in Neuroscience) 434 (Neuroscience of Fear and Anxiety) 435 (Neurobiology of Attention and Attention Disorders) 438 (Primate Social Behavior II) 439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging) 445 (Psychology of Language)	Occasional	30	3
434 (Neuroscience of Fear and Anxiety) 435 (Neurobiology of Attention and Attention Disorders) 438 (Primate Social Behavior II) 439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging) 445 (Psychology of Language)	Occasional	30	3
435 (Neurobiology of Attention and Attention Disorders) 438 (Primate Social Behavior II) 439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging) 445 (Psychology of Language)	Once/Year		3
438 (Primate Social Behavior II) 439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging) 445 (Psychology of Language)	Occasional	30	3
439 (Evolutionary Endocrinology) 440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging) 445 (Psychology of Language)	Occasional	30	3
440 (Current Topics in Cognitive Neuroscience) 441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging) 445 (Psychology of Language)	Fall/Winter		3
441 (Neuroscience and Society) 442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging) 445 (Psychology of Language)	Once/Year	30	3
442 (The Neuroscience of Percetion) 443 (Creativity) 444 (Cognitive Aging) 445 (Psychology of Language)	Fall/Winter		3
443 (Creativity) 444 (Cognitive Aging) 445 (Psychology of Language)	Occasional	30	3
444 (Cognitive Aging) 445 (Psychology of Language)	Occasional	30	3
445 (Psychology of Language)	Once/Year	40	3
, , , , , , , , , , , , , , , , , , , ,	Fall/Winter		3
146 (Altruiom)	Occasional	30	3
446 (Altruism)	Occasional	30	3
447 (Special Topics in Cognitive Psychology)	Occasional	30	3
448 (Mathematical Psychology)	Occasional	30	3
449 (Decision Processes)	Fall term	60	3
454 (Developmental Neuroscience) 463 (Statistical Modeling and Data Visualization in R)	Occasional	30 30	3 4

## ☐ BCN GPA Requirement

A student must earn a cumulative grade point average (GPA) of at least 2.0 in all courses taken within the Psychology Department. This includes any course taken in the Department such as pre-requisites, required courses, electives, and cognates (courses taken outside of psychology, but used toward the major or pre-requisites, for example, Stats 250). Transfer courses are not calculated into the GPA unless the grade appears on the official UM transcript.

Major MHP / MSH = GPA

Once you have declared, your major gpa can be viewed through your LSA Audit Checklist.

# **BCN MAJOR QUICK FACTS**

- ► Get involved in **Research**! If you are planning on attending any type of graduate program, especially within the field of Psychology, you will need research experience. You can do this for research-based lab credit. Please see the Psychology Student Academic Affairs Office for more information.
- ► Transfer courses may be applied toward your major, but at least 24 of your total 40 credits (includes pre-requisite and major credits) must be completed in-residence through the University of Michigan's Department of Psychology. Of those 24 credits, at least 12 credits must be in upper level courses (300+, letter graded) in Psychology.
- ► Registration Tip: If courses are closed:
  - Watch Wolverine Access for openings and/or waitlists
  - Attend first day of class and speak with the GSI or Professor (If class has a discussion section, you must get permission from the GSI to be enrolled in the section, then you will automatically be enrolled in the corresponding lecture.)
- ▶ Middle Digit Trick: The middle digit of Psychology Department undergraduate courses indicates the area of Psych with which the course is associated:

0, 1, 2=General6=Organizational3=Biopsychology7=Clinical4=Cognitive8=Social5=Developmental9=Personality