

Psychology Major Tracking Sheet

AB Requirements

Eleven (11) courses in psychology are required for the major. The major is devised to provide breadth and depth, a small group course in psychology, and familiarity with the quantitative techniques and research methods used in psychology.

- I. **Breadth:** Psychology 101, at least 2 survey courses that cover major areas of the field, quantitative techniques, and research methods.
- PSY 101** or AP credit (score of 5; 11 additional courses are required if AP credit received)
- 2 Survey Courses in the following areas:**
- Survey Course in the Biological (B 106/107) or Cognitive (C 102) Area
- Survey Course in the Abnormal/Health (A 105), Developmental (D 103), or Social (S 104) Area
- II. **Depth:** See *Courses Listed by Area of Depth*; can include 1 independent study course: 393, 394, 493, or 494. At least 3 courses in 2 areas where a survey course was completed. At least 1 course beyond the survey level must be in the Biological or Cognitive area and at least 1 course beyond the survey level must be in the Abnormal/Health, Developmental, or Social area.
- Course #: _____ Title: _____ (Area: A B C D S)
- Course #: _____ Title: _____ (Area: A B C D S)
- Course #: _____ Title: _____ (Area: A B C D S)
- III. **Instruction in Small Groups:** At least 1 seminar. It is recommended that the seminar be taken in an area where a survey course was completed.
- Course #: _____ Title: _____ (Area: A B C D S)
- IV. **Quantitative Techniques (take before research methods):**
- PSY 201/201L or 1 of the following: STA 101 STA 102 STA 111 STA 250 MATH 342
- V. **Research Methods (take after quantitative techniques):**
- PSY 202 or PSY 302-315 series, Course #: _____ Title: _____
- VI. **Additional Electives to bring total to 11 courses:** Of the 11 courses required for the major, at least 9 must be taken in the psychology department at Duke; others, if approved, may count toward the 34 credits needed for graduation but will not count toward the major. At most, only 1 independent study course (393, 394, 493, or 494) may count toward the depth requirement and only 2 may count for the major.
- Course #: _____ Title: _____
- Course #: _____ Title: _____
- Additional course if AP credit was earned for PSY 101, Course #: _____ Title: _____

BS Additional Requirements:

The BS degree requires completion of all requirements for the AB degree plus additional courses in the quantitative studies (QS) and natural sciences (NS).

- VII. **Additional Quantitative Studies (QS):** *Psychology 201/201L, the statistics class in psychology, will not enable students to enroll in Statistical Science 210 or 340, and students should review the Statistical Science website for the prerequisites for these classes.
- MATH 112 MATH 122 STA 210* or STA 340*
- VIII. **Two (2) required NS courses in psychology:** Can count towards the courses required for the AB degree, or if not used to meet AB requirements, toward the 5 elective NS classes required by the BS degree.
- Course #: _____ Title: _____
- Course #: _____ Title: _____
- IX. **Natural Sciences (NS) Electives:** 5 elective courses from an approved list (see *Natural Sciences Elective Options*) that meet the following criteria: (a) classes come from at least two departments, and (b) at least 3 of the 5 are at or above the 200 level. Courses cross-listed with psychology and another department do not count as a second department.
- Course Departmental Prefix and #: _____ Title: _____
- Course Departmental Prefix and #: _____ Title: _____
- Course Departmental Prefix and #: _____ Title: _____
- Course Departmental Prefix and #: _____ Title: _____
- Course Departmental Prefix and #: _____ Title: _____

Courses Listed by Area of Depth (revised 03/21/17)

The following is a list of PSY courses by area of depth. Some courses will appear multiple times due to overlapping course content. Not every course is offered each semester; check the course schedule for current listings.

General Courses (No Depth Area)

Course #	Course Title	Course #	Course Title
89S	First-Year Seminars ¹	290	Special Topics in Psychology – Lecture
101	Introductory Psychology ^{NS}	290S	Special Topics in Psychology – Seminar ^{4, 8}
155FS	Vision ^{1,3, NS}	390S	Special Topics in Psychology ⁸
185FS	Decoding Human Behavior ^{1,3}	393-394	Research Independent Study ^{2, 5, 8}
190FS	Focus - Special Topics Seminars ^{1,3}	493-494	Research Independent Study ^{2, 6, 8}
193FS	Neurobiology of Mind ^{1,3, NS}	490S	Special Topics in Psychology ⁸
201L	Introduction to Statistical Methods in Psychology	496	Distinction Thesis Workshop ⁷
202	Research Methods in Psychological Science ^{RM}	590	Special Topics in Psychology ⁸
203	Practicum ¹	690S	Special Topics in Psychology ⁸

¹Course does not count toward the major

²Students may count one independent study course toward a depth area

³Open to students in the Focus Program only

⁴Does not fulfill the seminar requirement for the major

⁵Junior year or earlier

⁶Senior year

⁷Graduation with distinction

⁸Depth area dictated by course content

^{NS}Natural Sciences Elective

^{RM} Research Methods Requirement

Abnormal/Health Area (A)

Course #	Course Title	Course #	Course Title
105	Abnormal Psychology	410S	Community Based Prevention Intervention Research
205	Health Psychology and Behavior Change	411S	Disorders of Anxiety
206	Alcohol: Brain, Individual, and Society ^{NS}	412S	Psychology of Criminal Behavior
207	Child Clinical Psychology	436S	Clinical Interventions with Children and Families
208	Behavioral Aspects of Health	450S	The Psychology of Trauma and Memory
209	Stress and Coping	471S	Reward and Addiction ^{NS}
211	The Psychology of Health Behavior Change	473S	The Neurobiology of the Pain System: Its Function and Dysfunctions ^{NS}
212	Introduction to Forensic Psychology	474S	Biological Psychology of Human Development
213	Advanced Abnormal Psychology ^{NS}	510S	Developmental Psychopathology
214	Exercise and Mental Health ^{NS}	601S	Psychology Teaching Seminar
221	Personality	605S	Obesity and Eating Disorders ^{NS}
277	Looking Inside the Disordered Brain ^{NS}	607S	Personality, Stress, and Disease ^{NS}
306	Research Methods in Clinical Psychology ^{RM}	609S	Psychosocial Determinants of Health
309	Research Methods in Global Health ^{RM}	610S	The Psychology of Mindfulness Meditation: Theory, Research, and Practice ^{NS}
310	Research Methods in Psychopathology and Psychotherapy ^{RM}	611	Global Mental Health ^{NS}
316S	Clinical Issues for the LGBTQ Community	629S	Social Behavior and Personality
317S	Coping with Catastrophic Events	654S	Psychology of Aging
318S	Psychology of Positive Emotion and Experience	671S	Nature and Treatment of Eating Disorders Across the Lifespan
321S	Personality and Individual Differences	681S	Genetics and Environment in Abnormal Behavior ^{NS}
322S	Freud and Sexuality	685S	Biological Pathways to Psychopathology ^{NS}
323	Fundamentals of Global Mental Health		
339S	Life Span Analysis of Social Relationships		
407S	History of Modern Psychology		

Biological Area (B)

Course#	Course Title	Course#	Course Title
106	Biological Bases of Behavior: Introduction and Survey ^{NS}	226	Sex/Gender - Nature/Nurture: Intersections of Biology and Society ^{NS}
107	Biological Bases of Behavior (Team Based Learning) ^{NS}	251	Learning and Adaptive Behavior ^{NS}
206	Alcohol: Brain, Individual, and Society ^{NS}	257	Introduction to Cognitive Neuroscience ^{NS}
214	Exercise and Mental Health ^{NS}	258	Decision Neuroscience ^{NS}
		273	Behavior and Neurochemistry ^{NS}

Biological Area (B) (continued)

Course #	Course Title	Course #	Course Title
274	Drugs, Brain, and Behavior ^{NS}	471S	Reward and Addiction ^{NS}
275	Fundamentals of Neuroscience ^{NS}	473S	The Neurobiology of the Pain System: Its Functions and Dysfunctions ^{NS}
276D	Brain and Behavior: Translating Neuroscience ^{NS}	474S	Biological Psychology of Human Development
277	Looking Inside the Disordered Brain ^{NS}	477S	Biology of Nervous System Diseases ^{NS}
278	Neuroethics ^{NS}	478S	Motivation, Action, Choice: Neural and Behavioral Mechanisms ^{NS}
279	Behavioral Neuroimmunology: Brain and Behavior in Health and Disease ^{NS}	480	Affective Neuroscience ^{NS}
280	Social and Affective Neuroscience ^{NS}	499	Current Research in Neuroscience ^{NS}
281	Neuroscientific Approaches to Social Behavior ^{NS}	499S	Current Research in Neuroscience ^{NS}
282	Neuroscience of Movement and Athletic Performance ^{NS}	575	Brain and Language ^{NS}
302L	Brain Waves and Cognition ^{NS, RM}	580	The Biological Basis of Music
303L	Functional Neuroimaging ^{NS, RM}	601S	Psychology Teaching Seminar
308L	Perception and the Brain ^{NS, RM}	605S	Obesity and Eating Disorders ^{NS}
313	Contemporary Neuroscience Methods ^{NS, RM}	607S	Personality, Stress, and Disease ^{NS}
340S	Educational Neuroscience	667S	Learning and Cognition in Humans, Animals, and Robots ^{NS}
351S	Neuroplasticity and Expertise ^{NS}	670S	Language, Brain, and Human Behavior
355S	Visual Perception & the Brain ^{NS}	681S	Genetics and Environment in Abnormal Behavior ^{NS}
375L	Functional Anatomy of the Human Brain ^{NS}	684S	Hormones, Brain, and Cognition ^{NS}
376S	Behavioral Neuroendocrinology ^{NS}	685S	Biological Pathways to Psychopathology ^{NS}
407S	History of Modern Psychology	686S	Principles of Neuroimmunology ^{NS}
461S	Neurobiology of Learning and Memory ^{NS}		
469S	Cognitive Control and the Prefrontal Cortex ^{NS}		
470S	Cognitive Neuroscience of Memory ^{NS}		

Cognitive Area (C)

Course #	Course Title	Course#	Course Title
102	Cognitive Psychology: Introduction and Survey ^{NS}	371S	Cognition in the Classroom: Applying the Science of Learning to Education
206	Alcohol: Brain, Individual, and Society ^{NS}	405S	Great Ideas in Psychology
211	The Psychology of Health Behavior Change	407S	History of Modern Psychology
214	Exercise and Mental Health ^{NS}	425	The Psychology of Consumers
227	Anthropology and Psychology	435S	The Role of Race and Culture on Development
240	Educational Psychology	450S	The Psychology of Trauma and Memory
250	Myths and Mysteries of Memory	451S	Autobiographical Memory ^{NS}
251	Learning and Adaptive Behavior ^{NS}	461S	Neurobiology of Learning and Memory ^{NS}
252	Psychology of Thinking	469S	Cognitive Control and the Prefrontal Cortex ^{NS}
254	The Creative Mind	470S	Cognitive Neuroscience of Memory ^{NS}
255	Human Cognitive Evolution ^{NS}	473S	The Neurobiology of the Pain System: Its Function and Dysfunctions ^{NS}
256	Psychology of Language	478S	Motivation, Action, Choice: Neural and Behavioral Mechanisms ^{NS}
257	Introduction to Cognitive Neuroscience ^{NS}	479S	Auditory Neuroscience ^{NS}
258	Decision Neuroscience ^{NS}	480	Affective Neuroscience ^{NS}
260	Psychological Anthropology	575	Brain and Language ^{NS}
277	Looking Inside the Disordered Brain ^{NS}	601S	Psychology Teaching Seminar
278	Neuroethics ^{NS}	629S	Social Behavior and Personality
280	Social and Affective Neuroscience ^{NS}	654S	Psychology of Aging
281	Neuroscientific Approaches to Social Behavior ^{NS}	667S	Learning and Cognition in Humans, Animals, and Robots ^{NS}
302L	Brain Waves and Cognition ^{NS, RM}	668S	Everyday Cognition
303L	Functional Neuroimaging ^{NS, RM}	670S	Language, Brain, and Human Behavior
308L	Perception and the Brain ^{NS, RM}	681S	Genetics and Environment in Abnormal Behavior ^{NS}
313	Contemporary Neuroscience Methods ^{NS, RM}	684S	Hormones, Brain, and Cognition ^{NS}
340S	Educational Neuroscience	685S	Biological Pathways to Psychopathology ^{NS}
352S	Seeing and Knowing: Introduction to Visual Cognition ^{NS}		
355S	Visual Perception & the Brain ^{NS}		

Developmental Area (D)

Course #	Course Title	Course#	Course Title
103	Developmental Psychology	325	Social Development from Childhood to Early Adulthood
207	Child Clinical Psychology		
226	Sex/Gender - Nature/Nurture: Intersections of Biology and Society ^{NS}	339S	Life Span Analysis of Social Relationships
235	Human Development	340S	Educational Neuroscience
236	Psychosocial Aspects of Human Development	407S	History of Modern Psychology
239	Adolescence	435S	The Role of Race and Culture on Development
240	Educational Psychology	436S	Clinical Intervention with Children and Families
242D	Discovering Education and Human Development I: How Social Scientists Learn from Data	474S	Biological Psychology of Human Development
260	Psychological Anthropology	510S	Developmental Psychopathology
304	Child Observation ^{RM}	601S	Psychology Teaching Seminar
321S	Personality and Individual Differences	654S	Psychology of Aging
322S	Freud and Sexuality	655S	Children's Peer Relations
		671S	Nature and Treatment of Eating Disorders Across the Lifespan
		681S	Genetics and Environment in Abnormal Behavior ^{NS}

Social Area (S)

Course #	Course Title	Course#	Course Title
104	Social Psychology	325	Social Development from Childhood to Early Adulthood
205	Health Psychology and Behavior Change		
206	Alcohol: Brain, Individual, and Society ^{NS}	368	Behavioral Finance
211	The Psychology of Health Behavior Change	407S	History of Modern Psychology
220	The Psychology of Gender	410S	Community Based Prevention Intervention Research
221	Personality		
223	Social Identities	412S	Psychology of Criminal Behavior
224	Self and Society	425	The Psychology of Consumers
225	Political Psychology	426	Social Psychology of Business
226	Sex/Gender - Nature/Nurture: Intersections of Biology and Society ^{NS}	435S	The Role of Race and Culture on Development
227	Anthropology and Psychology	601S	Psychology Teaching Seminar
260	Psychological Anthropology	609S	Psychosocial Determinants of Health
281	Neuroscientific Approaches to Social Behavior ^{NS}	625S	Motives, Goals, and Social Behavior
305	Research Methods in Social Psychology ^{RM}	627S	Stereotypes and Stigma
318S	Psychology of Positive Emotion and Experience	629S	Social Behavior and Personality
324S	Motivation Science in Social Psychology	654S	Psychology of Aging

Natural Sciences Elective Options (Revised 03/21/17)

Students may petition for a course not listed here; contact the Psychology Undergraduate Studies office to find out how. Course list is periodically updated. Not every course is offered each semester; check the course schedule for current listings. Because additional NS courses in Psychology may count toward elective credits, courses cross-listed with Psychology are not listed here.

Biology (BIOLOGY)

Course #	Course Title	Course #	Course Title
154	AIDS and Other Emerging Diseases	329D	Principles of Animal Physiology
201L	Gateway to Biology: Molecular Biology	330L	Comparative and Functional Anatomy of the Vertebrates
202L	Gateway to Biology: Genetics and Evolution	372LA	Biochemistry of Marine Animals
207	Organismal Evolution	373LA	Sensory Physiology and Behavior of Marine Animals
215L	Introduction to Modeling in Mathematical Biology	412S	Sensory Signal Transduction
223	Cellular and Molecular Neurobiology	423S	Development of Neural Circuits
250	Population Genetics	426S	Visual Processing
267D	Behavioral Ecology and the Evolution of Animal Behavior	427S	Current Topics in Sensory Biology
311	Systems Biology: An Introduction for the Quantitative Sciences	431S	Human Embryology: Reproductive Biology in the 21 st Century
322	From Neurons to Brain	650	Molecular Population Genetics

Biochemistry (BIOCHEM)

Course #	Course Title	Course #	Course Title
301	Introductory Biochemistry I: Intermediary Metabolism	658	Structural Biochemistry I
302	Introductory Biochemistry II	659	Structural Biochemistry II

Biomedical Engineering (BME)

Course #	Course Title	Course #	Course Title
253L	Biomedical Electronic Measurements I	511L	Intermediate Bioelectricity
260L	Modeling Cellular and Molecular Systems	513	Nonlinear Dynamics in Electrophysiology
271	Signals and Systems	515	Neural Prosthetic Systems
307	Transport Phenomena in Biological Systems	527	Cell Mechanics and Mechanotransduction
354L	Introduction to Medical Instrumentation	560	Molecular Basis of Membrane Transport
502	Neural Signal Acquisition	566	Transport Phenomena in Cells and Organs
503	Computational Neuroengineering		
504	Fundamentals of Electrical Stimulation of the Nervous System		

Cell Biology (CELLBIO)

Course #	Course Title
503	Introduction to Physiology

Computer Science (COMPSCI)

Course #	Course Title	Course #	Course Title
101L	Introduction to Computer Science	516	Data-Intensive Computing Systems
201	Data Structures and Algorithms	520	Numerical Analysis
220	Introduction to Numerical Methods and Analysis	527	Introduction to Computer Vision
224	Introduction to Computer Modeling	528	Introduction to Computational Science
230	Discrete Math for Computer Science	532	Design and Analysis of Algorithms
260	Introduction to Computational Genomics	570	Artificial Intelligence
270	Introduction to Artificial Intelligence	571D	Machine Learning
316	Introduction to Database Systems	662	Computational Systems Biology
		663	Algorithms in Structural Biology and Biophysics

Evolutionary Anthropology (EVANTH)

Course #	Course Title	Course#	Course Title
101	Introduction to Evolutionary Anthropology	333L	The Human Body
101D	Introduction to Evolutionary Anthropology	341	Primate Sexuality
212FS	Social Structures in an Evolutionary Framework	341D	Primate Sexuality
246	Sociobiology	363S	Evolution of Primate Social Cognition
285D	Human Health in Evolutionary Perspective	546S	Primate Social Evolution
330L	Human Anatomy and Physiology	560S	Primate Cognition

Global Health (GLHLTH)

Course #	Course Title
362	Introduction to Epidemiology Focus on Global Health

Linguistics (LINGUIST)

Course #	Course Title	Course #	Course Title
115FS	Games and the Brain	216FS	Neuroscience and Human Language
123FS	When the Head's in Trouble: Language, Lesions, and Loss	216S	Neuroscience and Human Language
211FS	The Neuroscience of Reading & Language Comprehension	473AS	Neuroscience and Multilingualism
		473S	Neuroscience and Multilingualism
		501	Cognitive and Neurolinguistics

Mathematics (MATH)

Course #	Course Title	Course #	Course Title
216	Linear Algebra and Differential Equations	573S	Modeling of Biological Systems
221	Linear Algebra and Applications		

Neurobiology (NEUROBIO)

Course #	Course Title
559	The Biological Basis of Music

Neuroscience (NEUROSCI)

Course #	Course Title	Course #	Course Title
111FS	The Neuroscience of Reading & Language Comprehension	289	Music and the Brain
116FS	Neuroscience and Human Language	322	From Neurons to Brain
116S	Neuroscience and Human Language	350	Pharmacology: Drug Actions and Reactions
123FS	When the Head's in Trouble: Language, Lesions and Loss	381LA	Sensory Physiology and Behavior of Marine Animals
157FS	Games and the Brain	385L	Integrative Neuroscience Laboratory
223	Cell and Molecular Neurobiology	423S	Development of Neural Circuits
242A	The Creative Brain: Literature, Arts, & Cognition	426S	Visual Processing
245A	Cultured Brain: Neuroscience of Perception and Action	427S	Current Topics in Sensory Biology
288S	Music as Biology	438AS	Neuroscience & Multilingualism
		439S	Neuroscience & Multilingualism
		501S	Cognitive and Neurolinguistics

Physical Education (PHYSEDU)

Course #	Course Title
206	Exercise Physiology

Pharmacology (PHARM)

Course #	Course Title
350	Pharmacology: Drug Actions and Reactions

Psychology (PSY)

---Any NS course in Psychology---

Public Policy (PUBPOL)

Course #	Course Title	Course #	Course Title
241	Multi-Method Approaches to Social and Policy Research	348	Science and Policy of Obesity

Romance Studies (ROMST)

Course #	Course Title
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Sociology (SOCIOL)

Course #	Course Title	Course #	Course Title
332	Methods of Social Research ¹	333	Quantitative Analysis of Sociological Data

¹Accepted methods course outside of Psychology

Statistical Science (STA)

Course #	Course Title	Course #	Course Title
101	Data Analysis and Statistical Inference	323	Statistical Computing
102	Introductory Biostatistics	340	Introduction to Statistical Decision Analysis
111	Probability and Statistical Inference	360	Bayesian Inference and Modern Statistical Methods
130	Probability and Statistics in Engineering		
210	Regression Analysis	471S	Computational Data Analysis
230	Probability	611	Introduction to Mathematical Statistics
250D	Statistics	622	Statistical Data Mining
320	Design and Analysis of Causal Studies	623	Statistical Decision Theory
321	Design and Analysis of Surveys		