

UNDERGRADUATE FLOW CHART: PSYCHOLOGY B.S. REQUIREMENTS

Major Code: PSYCHBS - Effective Spring 2021

16 courses/51 credit hours/letter grade only

Name: _____ ID #/Advisor: _____ Date: _____

FOUNDATION COURSES: Must be completed by the end of junior year

Introductory Courses

1. PSYC110: Introduction I _____
2. PSYC111: Introduction II _____

Statistics & Methodology

3. QTM100: Intro to Statistical Inference _____
4. PSYC200W: Laboratory Methods _____

Or AP/IB Credit (*must be replaced with additional elective, see below*)



SURVEY COURSES: Take at least one (1) in each area; prior enrollment in PSYC 110 or PSYC 111, and QTM 100 strongly encouraged

Area I

- PSYC207: Brain & Behavior _____
- PSYC209: Perception & Action _____
- PSYC215: Cognition _____
- PSYC223: Drugs & Behavior _____

Area II

- PSYC205: Child Development _____
- PSYC210: **Adult Psychopathology** _____
- PSYC211: Childhood Psychopathology _____
- PSYC212: Social Psychology _____

ELECTIVES: At least two (2) additional courses; may seek special permission to enroll in Psychology graduate courses. Students with AP/IB credit for PSYC111 must complete three (3) electives. These courses include 100, 200, and above level courses with exceptions as noted below. One enrollment in directed research (**either PSYC494R or 499R**) for 3 or more credit hours may count as an elective.

Course Exclusions: PSYC 190: Freshman Seminar, PSYC 397R: Directed Study, PSYC 495A & 495BWR: Honors Program, and PSYC 498R: Directed Reading. Only one (1) enrollment in PSYC 499R or PSYC 494R: Directed Research for 3 or more credit hours may be counted as an elective.

* _____
Additional elective AP/IB cred only

QUANTITATIVE & METHODOLOGICAL COURSES (QM): These courses are intended to enhance students' quantitative and methodological training, providing skills and approaches that can be used in addressing psychological questions. Students must take at least two (2) courses from the list of designated QM courses (**see Appendix A: QM Courses**), offered through Psychology, QTM, Mathematics, Computer Science, and Biology. Of note, students will need to meet all requirements and prerequisites for a given course, as specified by its home department.

INTERFACING SCIENCE COURSES: These courses are intended to increase students' awareness and understanding of how psychology is situated in the broader scientific landscape, and to highlight the connections between psychology and related sciences. Students must take at least two (2) courses from the list of designated IFS courses (**See Appendix B: IFS Courses**), offered through Anthropology, Biology, Chemistry, Computer Science, Economics, Environmental Science, Human Health, Neuroscience & Behavioral Biology, Physics, and the School of Nursing. Of note, students will need to meet all requirements and prerequisites for a given course, as specified by its home department.

*** NOTE:** *Students with AP credit for MATH111, MATH112, CS170, or ENVS130 may choose which ONE to apply toward the Psych BS major and are exempt from taking the corresponding course. Students who use AP in QM OR IFS are required to take one (1) additional Specified Depth course from the list on the next page. Refer to **Handling APs in the Context of the Psych BS and AP Decision Tree** for more information.*



SPECIFIED DEPTH COURSES: Take at least three (3) courses from list below. Students with AP credit for QM/IFS must complete four (4) specified depth courses. Enrollment requires completion of PSYC 110, PSYC 111, QTM 100, and any 200-level survey course.

PSYC302/NBB370: Human Learning & Memory	PSYC351: The Nature of Evidence
PSYC303: Evolution of Acquired Behavior	PSYC352: Genetics of Human Behavior
PSYC_OX304: Hormones & Behavior	PSYC353/NBB302: Behavioral Neuroscience
PSYC309/LING309: Brain & Language	PSYC381: Neuroeconomics of Decision-Making
PSYC310: Cognitive Development	<i>PSYC385: SELECTED Special Topics Courses</i>
PSYC320/BIOL320: Animal Behavior	PSYC410: Science & Pseudoscience in Psychology
PSYC321/NBB321: Behavioral Neuroendocrinology of Sex	PSYC424: Advanced Neuroimaging Practicum
PSYC322/NBB370: Biological Basis of Learning & Memory	PSYC427(W)/NBB427(W): Hormones, Brain, & Behavior
PSYC324/NBB370: Sleep & Dreaming, Brain & Mind	PSYC440(W)/BIOL(W): Animal Communication
PSYC325/BIOL325: Primate Social Psychology	<i>SELECTED 400-Level Seminars</i>



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Add'l specified AP cred in QM or IFS only

OTHER DEPTH COURSE: Take one (1) course at 300 level or above and must be at least three (3) credits or more; may seek special permission to enroll in Psychology graduate courses. Enrollment requires completion of PSYC110, PSYC111, QTM100 and any 200-level survey course.

Course Exclusions: PSYC397R, PSYC494R, PSYC495A & 495BWR, PSYC498R and PSYC499R. (One enrollment in PSYC494R or PSYC499R may count as an elective)

DEPARTMENT USE ONLY – Do Not Complete

SUMMARY

Expected Graduation Date: _____
 Current Credits Towards Graduation _____
 (124 Academic credits + 2 PE required + HLTH 100)
 Overall Grade Point Average (GPA) _____
 Psychology Grade Point Average (GPA) _____

REQUIREMENTS FULFILLED?

REMAINING Courses: _____

APPENDIX A: QM Courses

Students pursuing the Psychology BS must complete TWO courses from the list of designated Quantitative & Methodological (QM) courses below. Of note, students will need to meet all requirements and prerequisites for a given course, as specified by its home department.

Department/Program	Courses
Biology	<ul style="list-style-type: none"> • BIOL212 (PHYS212): Computational Modeling for Scientists & Engineers • BIOL355 (QTM355): Introduction to Time Series Analysis • BIOL450: Computational Neuroscience
Computer Science	<ul style="list-style-type: none"> • CS153: Computing for Bioinformatics • CS170: Introduction to Computer Science I * • CS171/171Z: Introduction to Computer Science II • CS253: Data Structures & Algorithms • CS325: Artificial Intelligence • CS329 (LING329): Computational Linguistics • CS334: Machine Learning
Mathematics	<ul style="list-style-type: none"> • MATH111: Calculus I * • MATH112/112Z: Calculus II * • MATH116: Life Sciences Calculus • MATH210: Advanced Calculus for Data Science • MATH212: Differential Equations • MATH221: Linear Algebra • MATH315: Numerical Analysis • MATH361: Mathematical Statistics I • MATH362: Mathematical Statistics II
Quantitative Theory & Methods	<ul style="list-style-type: none"> • QTM120: Math for Quantitative Sciences • QTM200: Applied Regression Analysis • QTM210: Probability & Statistics I • QTM220: Regression Analysis • QTM355 (BIOL355): Introduction to Time Series Analysis
Psychology	<ul style="list-style-type: none"> • PSYC180: Research in College Drug Use • PSYC386: Cross Cultural Studies in Psychological Research (Basic) • PSYC387: Cross Cultural Studies in Psychological Research (Advanced) • PSYC424: Advanced Neuroimaging Practicum • PSYC430: Advanced Statistics & Methods • PSYC542: Research Methods in Clinical Psychology • PSYC561: Regression & the General Linear Model • PSYC562: Statistics I: Design & Analysis • PSYC563: Statistics II: Predictive Modeling • PSYC770: SELECTED Topical Seminars <ul style="list-style-type: none"> ○ Multilevel Modeling Theory & Application ○ Scale Development Theory & Application ○ Data Mining the Mind

* Students who received academic credit on their transcript for an indicated QM or IFS course (*) based upon AP scores will be granted an exemption from the corresponding course and must then take one (1) additional course from the list of "Specified Depth Courses". Students with AP credit for more than one course may choose which ONE to apply toward the Psych BS major. Refer to [Handling APs in the context of the Psych BS](#) and [AP Decision Tree](#) for more information.

APPENDIX B: IFS Courses

Students pursuing the Psychology BS must complete TWO courses from the list of designated Interfacing Science (IFS) courses below. Of note, students will need to meet all requirements and prerequisites for a given course, as specified by its home department.

Department/Program	Courses	
Anthropology	<ul style="list-style-type: none"> • ANTH200 (NBB280): Foundations of Behavior • ANTH210: Human Biology – Life Cycle Approach • ANTH305: The Human Brain • ANTH307: Human Evolution • ANTH308: Evolution of Social Behavior • ANTH316: Evolution of the Human Brain & Mind 	<ul style="list-style-type: none"> • ANTH317 (NBB317): Human Social Neuroscience • ANTH318 (HLTH312): Developmental Origins – Health & Well-Being • ANTH319 (NBB319): Anthropology of Fatherhood • ANTH333: Disease & Human Behavior • ANTH339 (HLTH310): Defining Health – Biocultural Perspective • ANTH450: The Evolution of Childhood
Biology	<ul style="list-style-type: none"> • BIOL223: Developmental Biology • BIOL240: Organismal Form & Function • BIOL241: Evolutionary Biology • BIOL247: Ecology • BIOL264: Genetics – A Human Perspective • BIOL336: Human Physiology • BIOL348: Mechanisms of Animal Behavior • BIOL352: Epigenetics & Human Disease 	<ul style="list-style-type: none"> • BIOL353: Genetics of Complex Traits • BIOL360 (NBB301): Introduction to Neurobiology • BIOL365: Controversial Science • BIOL385: Human Genetics • BIOL402: Neuroscience Live • BIOL410 (NBB410): Perception & Consciousness • BIOL434 (PHYS434): Physical Biology • BIOL460 (NBB460): Building Brains
Chemistry	<ul style="list-style-type: none"> • CHEM333: Biophysical Chemistry 	<ul style="list-style-type: none"> • CHEM340: Biochemistry
Computer Science	<ul style="list-style-type: none"> • CS224: Foundations of Computer Science • CS326: Analysis of Algorithms 	<ul style="list-style-type: none"> • CS424: Theory of Computing
Economics	<ul style="list-style-type: none"> • ECON305(W): Economics of Life • ECON315: Economics & Psychology 	<ul style="list-style-type: none"> • ECON415: Behavioral Economics & Finance
Environmental Science	<ul style="list-style-type: none"> • ENVS120: Living in the Anthropocene • ENVS130: Intro to Environmental Studies * • ENVS140: Environmental Change and Health 	<ul style="list-style-type: none"> • ENVS255(W): Environmental Communication • ENVS326: Climate Change & Society
Human Health	<ul style="list-style-type: none"> • HLTH310 (ANTH339): Defining Health – Biocultural Perspective • HLTH312 (ANTH318): Developmental Origins – Health & Well-Being 	<ul style="list-style-type: none"> • HLTH314: Science of Sleep • HLTH317: Microbiome in Health and Disease
Neuroscience & Behavioral Biology	<ul style="list-style-type: none"> • NBB201 (ANTH200): Foundations of Behavior • NBB280: Introduction to Neuroethics • NBB300 (MUS309): The Musical Brain • NBB301 (BIOL360): Introduction to Neurobiology • NBB317 (ANTH317): Human Social Neuroscience • NBB319 (ANTH 319): Anthro of Fatherhood 	<ul style="list-style-type: none"> • NBB361W: Neurophysiology Lab • NBB402: Global Neuroscience & Behavior • NBB410 (BIOL410): Perception & Consciousness • NBB424: Medical Neuropathy • NBB426 (PSYC426): Neuropharmacology & Placebo • NBB460 (BIOL460): Building Brains
Physics	<ul style="list-style-type: none"> • PHYS333: Physics for Life 	<ul style="list-style-type: none"> • PHYS434 (BIOL434): Physical Biology
School of Nursing	<ul style="list-style-type: none"> • NRS202: Human Anatomy & Physiology II 	

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