

MAJOR IN PSYCHOLOGY - CONCENTRATION IN PSYCHOBIOLOGY

Many graduate programs in psychology regard a broad undergraduate background in natural, physical, and social sciences as the best preparation for graduate study. For those students interested in pursuing graduate training in physiological psychology, psychobiology, neuropsychology, or animal behavior, or in preparing for professional school while combining an interest in these areas, the department offers a concentration in psychobiology.

To declare the concentration in psychobiology, you must have a transcript that indicates:

1. Completion of Introductory Psychology (PSY272.)
2. An overall GPA of 2.75 or better and a Math Placement Level (MPL) of 3 or higher.

Note: A maximum of six transfer courses in Psychology and nine transfer courses overall will be counted toward the major.

Code	Title	Credits
Introductory Requirement (3 Credits)		
PSY272	Introductory Psychology	3
Methodological Skills Requirement (8 Credits)		
PSY275	Psychological Statistics ¹	4
PSY311	Research Methods in Psychology	4
Content Area Studies (18 Credits)		
Physiology, Learning and Cognition:		
Select two of the following:		6
PSY303	Introduction to the Psychology of Learning	
PSY305	Psychology of Perception	
PSY310	Psychology of Memory and Thinking	
PSY402	Psychology of Language	
PSY403	Health Psychology	
PSY436	Physiological Psychology	
Social, Developmental and History:		
Select two of the following:		6
PSY302	History and Systems in Psychology	
PSY306	Social Psychology	
PSY308	Psychology of Motivation	
PSY343	Psychology of Infancy and Childhood	
PSY344	Psychology of Adolescence and Adulthood	
PSY350	Psychology of Women	
Personality and Abnormal:		
Select one of the following:		3
PSY313	Psychology of Personality	
PSY412	Abnormal Psychology	
PSY440	Clinical and Counseling Psy	
Applied:		
Select one of the following:		3
PSY304	Industrial Psychology	
PSY315	Basics of Organizational Psychology	

PSY456	Disaster Psychology	
PSY458	Introduction to Psychological Testing (prerequisite: PSY 275)	
Capstone Experience (3 Credits)		
PSY498	Seminar in Psychology (prerequisite: PSY 311)	3
Electives (9 Credits)		
Select three courses from any of the categories listed above or from the following: ²		9
PSY273	Psychology of Adjustment	
PSY295	Indep Study Psychology	
PSY307	Evolutionary Psychology	
PSY309	Constructivism	
PSY318	Group Behavior	
PSY320	Behavior Modification: Principles and Procedures	
PSY330	Crisis Intervention	
PSY442	Psychological Study of Social Problems	
PSY493	Selected Topic	
PSY494	Fieldwork In Psychology	
PSY495	Independent Study Psychology	
PSY497	Internship in Psychology	
Research Experience Component (0 Credits)		
Select at least 12 half-hour experiential credits (i.e., 6 hours) completed		
Required Course (3 Credits)		
PSY436	Physiological Psychology	3
Physiology, Learning and Cognition Courses (6 Credits)		
Select two of the following:		6
PSY303	Introduction to the Psychology of Learning	
PSY305	Psychology of Perception	
PSY307	Evolutionary Psychology	
PSY310	Psychology of Memory and Thinking	
PSY343	Psychology of Infancy and Childhood	
PSY402	Psychology of Language	
PSY403	Health Psychology	
Required Biology Courses (15-16 Credits)		
BIO201 & BIO211	General Biology I and Gen Bio 1 Lab	4
BIO202 & BIO212	General Biology II and Gen Bio 2 Lab	4
BIO320	Genetics	4
Select one of the following:		3-4
BIO412	Evolutionary Theory	
BIO417		
BIO418	Animal Behavior	
Electives (9-11 Credits)		
Select three courses from the course lists of the Departments of Anthropology, Biology, Chemistry, Physics, and Psychology. A list of potential courses appears below. Other courses might be chosen in agreement with the Psychobiology adviser:		9-11
ANT301	Human Evolution	
BIO490		
BIO495	Indep Study Biology	
CHE201 & CHE211	General Chemistry I and General Chemistry I Lab	

CHE202 & CHE212	General Chemistry II and General Chemistry II Lab	
CHE318 & CHE306	Organic Chemistry I and Organic Chemistry I Lab	
CHE319 & CHE309	Organic Chemistry II and Organic Chemistry II Lab	
CHE461		
PHY201 & PHY211	General Physics 1 and Physics 1 Laboratory	
PHY221 & PHY211	Fundamental Physics 1 and Physics 1 Laboratory	
PSY495	Independent Study Psychology	
PSY558	Seminar in Contemporary Research	
PSY560	Cognitive Processes	
PSY570	Cognitive Neuroscience	
Total Credits		74-77

¹ See note above regarding transfer equivalencies.

² Each of the three may come from either this list OR may be an additional course coming from ANY of the categories above.

This **eight-semester plan** (see important details (<http://catalog.newpaltz.edu/undergraduate/additional-information-about-8-semester-plans>)) is intended to guide a first-year student through a four-year undergraduate career, with completion of an academic major and all college-wide degree requirements. The plan is designed as an **advising tool** – a starting point for careful discussions between a student and his/her academic adviser. In consultation, the student and adviser will adjust the plan to accommodate the student's prerequisite needs, transferred credits, and other such variables.

Students are responsible for reviewing their Progress Reports (<https://www3.newpaltz.edu/progressreports>) each semester to track their own progress toward degree requirements.

Course	Title	Credits
Year 1		
Fall		
PSY272	Introductory Psychology ((SSCI)) ¹	3
	Gen Ed: The Arts (ART)	3
	Gen Ed: Composition (COMP)	3
	Gen Ed: Foreign Languages (FLNG)	3
BIO201	General Biology I ((NSCI))	3
BIO211	Gen Bio 1 Lab	1
Credits		16
Spring		
BIO202	General Biology II ((NSCI))	3
BIO212	Gen Bio 2 Lab	1
PSY275	Psychological Statistics	4
	Gen Ed: Composition (COMP)	3
	Gen Ed: Foreign Languages (FLNG)	3
	Gen Ed: Diversity (DIVR)	3
Credits		17
Year 2		
Fall		
PSY311	Research Methods in Psychology	4

Content Area Studies (LIST 1-4) ⁴	3	
Gen Ed: United States Studies (USST)	3	
Major Elective ³	3	
Concentration Elective ⁵	3	
Credits		16

Spring

Content Area Studies ⁴	3	
Content Area Studies ⁴	3	
Gen Ed: Western Civilization (WEST)	3	
Concentration Elective ⁵	3	
Gen Ed: Humanities (HUM)	3	
Credits		15

Year 3**Fall**

Major Elective ³	3	
Content Area Studies (LIST 1-4) ⁴	3	
Gen Ed: World Civilizations and Cultures (WRLD)	3	
BIO320	Genetics	4
PSY436	Physiological Psychology	3
Credits		16

Spring

Content Area Studies ⁴	3	
Content Area Studies ⁴	3	
Choose one Biology course ²	3-4	
Upper-division Elective	6	
Credits		15-16

Year 4**Fall**

PSY498	Seminar in Psychology ((WI))	3
	Upper-division Major Elective ³	3
	Upper-division Elective	9
Credits		15

Spring

Major Elective	6	
Elective	6	
Credits		12
Total Credits		122-123

¹ PSY272 Introductory Psychology must be completed before major is declared.

² Choose one of the following Biology courses: BIO412 Evolutionary Theory, BIO417 Animal Physiology, BIO418 Animal Behavior.

³ Major Electives - Choose three courses. Each of the three may come from either this list OR may be an additional course coming from ANY of the content area categories. PSY273 Psychology of Adjustment, PSY293 Psychology Select Topic, PSY295 Indep Study Psychology, PSY307 Evolutionary Psychology, PSY309 Constructivism, PSY318 Group Behavior, PSY320 Behavior Modification: Principles and Procedures, PSY330 Crisis Intervention, PSY442 Psychological Study of Social Problems, PSY493 Selected Topic, PSY494 Fieldwork In Psychology, PSY495 Independent Study Psychology, PSY497 Internship in Psychology.

- 4 Content Area Studies List 1 Physiology, Learning & Cognition (Select 2 of the following): PSY303 Introduction to the Psychology of Learning, PSY305 Psychology of Perception, PSY307 Evolutionary Psychology, PSY310 Psychology of Memory and Thinking, PSY343 Psychology of Infancy and Childhood, PSY402 Psychology of Language, PSY403 Health Psychology.
- Content Area Studies List 2 Social, Developmental & History (Select 2 of the following): PSY302 History and Systems in Psychology, PSY306 Social Psychology, PSY308 Psychology of Motivation, PSY343 Psychology of Infancy and Childhood, PSY344 Psychology of Adolescence and Adulthood, PSY350 Psychology of Women.
- Content Area Studies List 3 Personality & Abnormal (Select 1 of the following): PSY313 Psychology of Personality, PSY412 Abnormal Psychology, PSY440 Clinical and Counseling Psy.
- Content Area Studies List 4 Applied (Select 1 of the following): PSY304 Industrial Psychology, PSY315 Basics of Organizational Psychology, PSY456 Disaster Psychology, PSY458 Introduction to Psychological Testing.

- 5 Psychobiology Concentration Electives - Choose three (3) electives from the course lists of the departments of Anthropology, Biology, Chemistry, Physics, and Psychology. A list of potential courses appears here. Other courses might be chosen in agreement with the Psychobiology advisor. ANT301 Human Evolution (NSCI), BIO490 Seminar in Biology, BIO495 Indep Study Biology, CHE201 General Chemistry I (NSCI), CHE202 General Chemistry II (NSCI), CHE211 General Chemistry I Lab, CHE212 General Chemistry II Lab, CHE306 Organic Chemistry I Lab, CHE309 Organic Chemistry II Lab, CHE318 Organic Chemistry I, CHE319 Organic Chemistry II, PHY201 General Physics 1 (NSCI), PHY211 Physics 1 Laboratory, PHY221 Fundamental Physics 1 (NSCI), PSY495 Independent Study Psychology, PSY558 Seminar in Contemporary Research, PSY560 Cognitive Processes, PSY570 Cognitive Neuroscience.