

Catalog Term: Fall 2016

Major Requirements (50-54 credits)

A cumulative GPA of 2.3 is required for all PSY courses used to meet major (Areas A-C) requirements

A) Required Courses 9 credits

- ___(3) PSY 12000 Elementary Psychology **[Fulfills Behavior/Social Science Core]**
- ___(3) PSY 20100 Introduction to Statistics in Psychology (prerequisite: PSY 12000 and MA 15300 with grade of C- or higher)
- ___(3) PSY 20300 Introduction to Research Methods in Psychology (prerequisite: PSY12000)

B) Select two courses from each of the following groups for total of 12 credits

- B1)**
- ___(3) PSY 20000 Introduction to Cognitive Psychology (prerequisite: PSY 12000)
 - ___(3) PSY 20200 Introduction to Quantitative Topics in Psychology (prerequisite: PSY 20100)
 - ___(3) PSY 22200 Introduction to Behavioral Neuroscience (prerequisite: PSY 12000)
 - ___(3) PSY 31400 Introduction to Learning (prerequisite: PSY 20300)
- B2)**
- ___(3) PSY 23500 Child Psychology (prerequisite: PSY 12000)
 - ___(3) PSY 24000 Introduction to Social Psychology (prerequisite: PSY 12000)
 - ___(3) PSY 27200 Introduction to Industrial-Organizational Psychology (prerequisite: PSY 12000) (if selected, fulfills Management & Leadership Selective)
 - ___(3) PSY 35000 Abnormal Psychology (prerequisite: PSY 12000)

C) Select five 3-credit courses from the Advanced Content List

Advanced Content List

- PSY 30600 Statistical Analysis for Experiments (prerequisite: PSY 20100 and PSY 20300, B- or higher)
- PSY 31000 Sensory and Perceptual Processes (prerequisite: PSY 20000 and PSY 20100)
- PSY 31100 Human Memory (prerequisite: PSY 20000)
- PSY 32400 Introduction to Cognitive Neuroscience (prerequisite: PSY 20000)
- PSY 33300 Motivation
- PSY 40300 Psycholinguistics (prerequisite: PSY 20100 and PSY 20300)
- PSY 40400 Honors Research Seminar I (permission required)
- PSY 40500 Honors Research Seminar II (permission required)
- PSY 42100 Alcohol Use and Disorders (prerequisite: PSY 22200)
- PSY 42200 Genes and Behavior (prerequisite: PSY 22200)
- PSY 42800 Drugs and Behavior (prerequisite: PSY 22200)
- PSY 42900 Hormones and Behavior (prerequisite: PSY 22200)
- PSY 46400 Research Ethics in Psychological Sciences
- PSY 48400 Psychology of Consciousness (prerequisite: PSY 12000)
- PSY 51200 Neural Systems (prerequisite: BIOL 23000 or BIOL 23100)
- PSY 57700 Human Factors in Engineering
- PSY 39000** Research Experience in Psychology (3 credits) **OR**
PSY 49800 Senior Research (3 credits)
Only **one PSY 39000 or 49800 course counts towards this requirement.

D) Select two courses for a total of 5-9 credits from

FOUNDATIONS in Natural Sciences, Mathematics & Information Technology List

Courses selected must be from two different groups. At least one course from Areas D or E must be a lab natural science course.

- ___() Group _____
- ___() Group _____

E) Select 9 credits from ADDITIONAL STUDY in Natural Sciences, Mathematics & Information Technology List

At least one course from Areas D or E must be a lab natural science course.

- ___() _____
- ___() _____
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- ___() _____

Requirements continued on next page

Electives (9-61 credits)

____ () _____	____ () _____	____ () _____	____ () _____
____ () _____	____ () _____	____ () _____	____ () _____
____ () _____	____ () _____	____ () _____	____ () _____
____ () _____	____ () _____	____ () _____	____ () _____
____ () _____	____ () _____	____ () _____	____ () _____

At least 32 credits of coursework from Purdue University required at 30000 level or higher.

120 semester credits required for Bachelor of Science degree

University Foundational Learning Outcomes (Core) List: <https://www.purdue.edu/provost/initiatives/curriculum/course.html>

BRAIN AND BEHAVIORAL SCIENCES SELECTIVE REQUIREMENT LISTS

CULTURAL/INTERNATIONAL DIVERSITY (3 CR IF REQUIRED)

AAS	27100	Introduction to Afro-American Studies [H]
	37100	The Afro-American Experience
	37300	Issues in Afro-American Studies
ANTH	20500	Human Cultural Diversity [BSS]
	21200	Culture, Food & Health
	23000	Gender Across Cultures (30300) [BSS]
	37900	Indians of North America [BSS]
ASAM	24000	Introduction to Asian American Studies
	34000	Advanced Topics in Asian American Studies
ASL	28000	The American Deaf Community
COM	22400	Communicating in the Global Workplace [BSS]
	37600	Communication and Gender
ENGL	25700	Literature of Black America
	36000	Gender in Literature
HDFS	28000	Families in a Multicultural Society [BSS]
HIST	10500	Survey of Global History [H]
	21000	The Making of Modern Africa [H]
	24000	East Asia and Its Historic Tradition [H]
	24100	East Asia in the Modern World [H]
	24300	South Asian History and Civilizations [H]
	24500	Middle East History & Culture [H]
	27100	Latin American History to 1824 [H]
	27200	Latin American History from 1824
	34100	History of Africa South of the Sahara
	34200	Africa and the West
	35400	Women in America to 1870 [H]
	37500	Women in America since 1870 [H]
	37700	Native American History [H]
	39600	Afro-American History to 1865 [H]
	39800	Afro-American History since 1865 [H]
JWST	33000	Introduction to Jewish Studies [H]
PHIL	22500	Philosophy of Women
	24200	Philosophy, Culture & African-American Experience
	33000	Religions of the East (or REL 23000) [H]
POL	13000	Introduction to International Relations [BSS]
	14100	Introduction to Comparative Politics
	22200	Women, Politics, and Public Policy [BSS]
	23100	Intro to United States Foreign Policy [BSS]
PSY	23900	Psychology of Women
	33500	Stereotypes and Prejudice
	36800	Development in Cross-Cultural Perspective
SOC	31000	Racial and Ethnic Diversity
	33800	Global Social Movements
	33900	Intro to the Sociology of Developing Nations
	45000	Sex Roles in Modern Society
SPAN	23500	Spanish American Lit. in Translation [H]
	33500	Lit. of the Spanish-Speaking People in the U.S.
WGSS	28000	Women's Studies: An Introduction [BSS] [H]
	38000	Gender and Multiculturalism [BSS]

ECONOMICS/FINANCE COURSES (3 CR)

AGEC	21700	Economics [BSS]
CSR	10300	Introduction to Personal Finance
	34200	Personal Finance
ECON	21000	Principles of Economics [BSS]
	25100	Microeconomics [BSS]
	25200	Macroeconomics [BSS]

MANAGEMENT & LEADERSHIP COURSES (3 CR)

COM	37500	Conflict & Negotiation
ENTR	20000	Introduction to Entrepreneurship
MGMT	44301	Management of Human Resources
OLS	25200	Introduction to Organizational Behavior
	27400	Leadership
PSY	27200	Introduction to Industrial-Organizational Psych

SOCIAL ETHICS COURSES (3 CR)

ENTM	22830	Forensic Testimony and Ethics
PHIL	11100	Ethics [H]
	11400	Global Moral Issues [H]
	27000	Biomedical Ethics [STS]
	28000	Ethics and Animals [H]
	29000	Environmental Ethics [H]
PSY	46400	Research Ethics in Psychological Sciences

(D) FOUNDATIONS in Natural Sciences, Mathematics & Information Technology List

Group 1

●BIOL 11000	Fundamentals of Biology I [S]
●BIOL 11100	Fundamentals of Biology II [S]
BIOL 12100	Biology I: Diversity, Ecology and Behavior [STS]
BIOL 13100	Biology II: Development, Structure and Function of Organisms [S]
BIOL 20100	Human Anatomy and Physiology [S] OR
●BIOL 20300	Human Anatomy and Physiology [S]
BIOL 20200	Human Anatomy and Physiology [S] OR
●BIOL 20400	Human Anatomy and Physiology [S]
●BIOL 22100	Introduction to Microbiology

Group 2

MA 16010	Applied Calculus I [QR]
MA 16100	Plane Analytic Geometry and Calculus I [QR]
MA 16500	Analytic Geometry and Calculus I [QR]

Group 3

CS 15800	C Programming
CS 17700	Programming with Multimedia Objects
CNIT 14100	Internet Foundations, Technologies, and Development
CNIT 15500	Introduction to Object-Oriented Programming
CNIT 17500	Visual Programming
CNIT 17600	Information Technology Architectures

(E) ADDITIONAL STUDY in Natural Sciences, Mathematics &

Information Technology List (9 CR)

ANSC 10600	Biology Companion Animal
ANSC 20100	Functional Anat. and Anim. Perf.
ANSC 22100	Principles of Animal Nutrition
ANSC 23000	Physiology of Domestic Animals
ANSC 30300	Animal Behavior
●ASTR 26300	Descriptive Astr.: The Solar System [S]
●ASTR 26400	Descriptive Astr.: Stars and Galaxies [S]
BCHM 10000	Introduction to Biochemistry [STS]
●BIOL 11000	Fundamentals of Biology I [S]
●BIOL 11100	Fundamentals of Biology II [S]
BIOL 12100	Biology I: Diversity, Ecology and Behavior [S]
BIOL 13100	Biology II: Dev., Structure & Function of Organisms [S]
BIOL 20100	Human Anatomy and Physiology [S] <u>OR</u>
●BIOL 20300	Human Anatomy and Physiology [S]
BIOL 20200	Human Anatomy and Physiology [S] <u>OR</u>
●BIOL 20400	Human Anatomy and Physiology [S]
●BIOL 22100	Introduction to Microbiology
BTNY 20700	The Microbial World
●CHM 11100	General Chemistry [S]
●CHM 11200	General Chemistry [S]
●CHM 11500	General Chemistry [S]
●CHM 11600	General Chemistry [S]
CHM 22400	Introductory Quantitative Analysis
CHM 25500	Organic Chemistry
●CHM 25501	Organic Chemistry Lab
CHM 25600	Organic Chemistry
●CHM 25601	Organic Chemistry Lab
CHM 25700	Organic Chemistry
●CHM 25701	Organic Chemistry Lab
CNIT 14100	Internet Foundations, Technologies, & Dev.
CNIT 15500	Introduction to Object-Oriented Programming
CNIT 17500	Visual Programming
CS 15800	C Programming
CS 17700	Programming With Multimedia Objects
CS 18000	Problem Solving/Object-Oriented Prog.

CS 24000	Programming in C
CS 25100	Data Structures and Algorithms
EAPS 10000	Planet Earth [STS]
EAPS 10400	Oceanography [STS]
●EAPS 11100	Physical Geology
●EAPS 11200	Earth Through Time
EAPS 22100	Survey of Atmospheric Science [S]
●EAPS 23000	Laboratory in Atmospheric Science
ENTM 10500	Insects: Friend and Foe [STS] [S]
ENTM 20600	General Entomology [S]
●ENTM 20700	General Entomology Lab
ENTM 22810	Forensic Investigation [S]
FNR 10300	Introduction to Envir. Conservation [STS]
HK 25300	Principles of Motor Development
HK 25800	Foundations of Motor Skill Learning
●HORT 10100	Fundamentals of Horticulture [S]
MA 16020	Applied Calculus II [QR]
MA 16200	Plane & Analytic geometry & Calculus II [QR]
MA 16600	Analytic Geometry & Calculus II [QR]
MA 26100	Multivariate Calculus [QR]
MA 26200	Linear Algebra and Differential Equations [QR]
MA 26500	Linear Algebra [QR]
MA 26600	Ordinary Differential Equations [QR]
MA 27100	Several Variable Calculus [QR]
NUTR 30300	Essentials of Nutrition [S]
PHYS 14900	Mechanics, Heat, & Wave Motion
●PHYS 15200	Mechanics
●PHYS 17200	Modern Mechanics [S]
PHYS 21400	Nature of Physics [S]
●PHYS 22000	General Physics [S]
●PHYS 22100	General Physics [S]
●PHYS 23300	Physics for Life Sciences I
●PHYS 23400	Physics for Life Sciences II
SLHS 21500	Exploring Audiol and Hearing Science [STS]
SLHS 30200	Hearing Science
STAT 22500	Introduction to Probability Models <u>OR</u>
STAT 31100	Introductory Probability
STAT 51100	Statistical Methods

●=Lab Course
BSS = Behavior/Social Sciences Core
H = Humanities Core
QR=Quantitative Reasoning Core
S =Science Core
STS=Science, Technology & Society Core
WC=Written Communication Core

Brain & Behavioral Sciences Major (BBS) Suggested 4-Year Plan of Study
Fall 2016

Cr*	Fall Semester	Cr*	Spring Semester
3	PSY 12000 (Behavior/Social Science Core) ^{CC}	3	BBS Area B2
3	Oral Communication Core	4	Written Commun. Core (ENGL 10600 recommended)
3	Cultural/International Diversity Selective**	3	Cultural/International Diversity Selective**
3	MA 15300 or higher (Quant. Reasoning Core) ^{CC} except for MA 15555	3	BBS Area E + Science Core***
2	Elective	2	Elective
1	Information Literacy Core (PSY 10000 recom)		
15		15	
3	PSY 20100 ^{CC}	3	PSY 20300 ^{CC}
3	BBS Area B1	3	BBS Area B1
3	BBS Area D****	3	BBS Area D****
3	Cultural/International Diversity Selective**	3	Cultural/International Diversity Selective**
3	Elective	3	Elective
15		15	
3	BBS Area B2	3	BBS Area C
3	BBS Area C	3	BBS Area C
3	BBS Area E + Science, Tech & Society Core***	3	BBS Area E + Science Core***
3	Humanities Core****	3	Social Ethics Selective****
3	Elective	3	Elective
15		15	
3	BBS Area C	3	Economics/Finance Selective
3	BBS Area C	3	Management & Leadership Selective****
3	Elective	3	Elective
3	Elective	3	Elective
3	Elective	3	Elective
15		15	

CC Critical Course (should be completed during designated academic year)

* Typical credits shown, but will vary with specific course selections; 120 total credits required.

At least 32 of these credits must be courses taken at Purdue and numbered 30000 or higher.

** Depending on language placement and Option selected, requirement might require fewer than 4 semesters to complete, potentially creating opportunities for additional electives to be taken.

*** Assumes BBS Area E and Core requirement will be fulfilled with one appropriately selected course. Requirements can be separated, if student prefers.

**** Includes course option that can cover two or more requirements concurrently.