

PSYCHOLOGY – MAJOR (SCIENCE) – BACHELOR OF SCIENCE (HONOURS)

PSYC-M-BSH

Subject: Administered by the Department of Psychology.

Plan: Consists of 72.00 units as described below.

Program: The Plan, alone, or in combination with a Minor in another subject, and with sufficient electives to total 120.00 units, will lead to a Bachelor of Science (Honours) Degree.

Requirements for this program have been modified. Please consult the [2021-2022 Calendar](#) for the previous requirements.

Code	Title	Units
1. Core		
A. Complete the following:		
PSYC 100	Principles of Psychology	6.00
B. Complete 3.00 units from the following: 3.00		
PSYC 202	Statistics in Psychology	
STAT_Options		
C. Complete the following:		
PSYC 203	Research Methods in Psychology	3.00
D. Complete the following:		
PSYC 301	Advanced Statistical Inference	3.00
2. Option		
A. Complete 12.00 units from the following: 12.00		
PSYC 221	Cognitive Psychology	
PSYC 236	Introduction to Clinical Psychology	
PSYC 241	Social Psychology	
PSYC 251	Developmental Psychology	
PSYC 271	Brain and Behaviour I	
B. Complete 3.00 units from the following course list: 3.00		
PSYC_Labs		
C. Complete one of the following options: 9.00		
i. Seminar Option:		
a. PSYC at the 400-level		
ii. Thesis Option:		
a. PSYC 501		
D. Complete 3.00 units from four of the following course lists: 12.00		
a. PSYC_Cognitive		
b. PSYC_BehaviouralNeuroscience		
c. PSYC_Clinical		
d. PSYC_Developmental		
e. PSYC_Social		

E. Complete 6.00 units from the following: 6.00

PSYC at the 300-level or above

PSYC_Sub_A

F. Complete 3.00 units from the following: 3.00

PSYC at the 200-level or above

PSYC_Sub_B

3. Supporting

A. Complete 12.00 units from the following: 12.00

BIOL 102 Fundamentals of Biology: Molecular and
& BIOL 103 Cell Biology
and Fundamentals of Biology: Organisms
to Ecosystems

CHEM 112 General Chemistry
or CHEM 1 General Chemistry I (with Virtual Laboratory):
& CHEM 1 From Atoms to Matter
and General Chemistry II (with Virtual
Laboratory): Thermodynamics and Kinetics

CISC 121 Introduction to Computing Science I
& CISC 124 and Introduction to Computing Science II

MATH at the 100-level

PHYS 104 Fundamental Physics

or PHYS 106 General Physics

or PHYS 115 Introduction to Physics I

& PHYS 116 and Introduction to Physics II

or PHYS 118 Basic Physics

Electives

Elective Courses 48.00

Total Units 120.00

4. Additional Requirements

A. Maximum of 6.00 units from PSYC_Sub_A; PSYC_Sub_B.

5. Substitutions

A. PSYC 202, PSYC 203, PSYC 301 and PSYC 302 may **not** be substituted by an equivalent course from another university. Letters of Permission will only be granted in extraordinary cases. These courses may not be repeated, except with the permission of the Chair of Undergraduate Studies.

6. Notes

A. Students who wish to pursue the Thesis Option in Year 4 must take PSYC 302, which will count under **2.E**.



B. CHEM 113 and CHEM 114 are not sufficient for pre-med Chemistry requirements.

C. A maximum of 6.00 units from courses offered by other Faculties and Schools may be counted toward the program and/or Plan requirements. This includes courses in BMED, COMM, GLPH, LAW, NURS and courses in the Faculty of Engineering and Applied Science.

Psychology Course Lists

The following lists contain courses offered through other Departments. In accordance with Academic Regulation 2.5 (Access to Classes), students do not have enrolment priority in all of these courses. Access to these courses may only be made available during the Open Enrolment period, and then only if space permits.

PSYC_Labs

Code	Title	Units
Psychology Laboratory Courses		
PSYC 315	Introduction to the Analysis of Psychological Signals	3.00
PSYC 321	Psycholinguistics	3.00
PSYC 323	Laboratory in Attention	3.00
PSYC 334	Laboratory in Psychological Testing	3.00
PSYC 341	Laboratory in Social Psychology	3.00
PSYC 355	Comparative Cognition: Cognitive Origins Laboratory (Winter 2017 onward)	3.00
PSYC 360	The Neurobiology and Psychology of Sleep	3.00
PSYC 375	Comparative Cognition: Animal Learning Laboratory	3.00
PSYC 380	Advanced Perception	3.00
PSYC 495	Advanced Topics in Psychology	3.00
PSYC 570	Directed Special Laboratory I	3.00
PSYC 575	Directed Special Laboratory II	3.00

PSYC_Subs_A

Code	Title	Units
Psychology Substitutions List A (300-level and above)		
ANAT 312	Functional Neuroanatomy	3.00
BIOL 300	Ecology	3.00
BIOL 321	Animal Behaviour	3.00
BIOL 331	Analytical Genomics	3.00
BIOL 350	Evolution and Human Affairs	3.00
BIOL 369	Sex and Evolution	3.00
BIOL 445	Neuroethology	3.00
BIOM 300	Modeling Techniques in Biology	3.00
CISC 325	Human-Computer Interaction	3.00
CISC 352	Artificial Intelligence	3.00

CISC 452	Neural and Genetic Computing	3.00
CISC 453	Topics in Artificial Intelligence	3.00
CISC 455	Evolutionary Optimization and Learning	3.00
CISC 467	Fuzzy Logic	3.00
CISC 474	Reinforcement Learning	3.00
COGS 300	Programming Cognitive Models	3.00
COGS 400	Neural and Genetic Cognitive Models	3.00
COMM 333	Marketing Strategy	3.00
COMM 351	Leadership	3.00
COMM 352	Organizational Analysis	3.00
COMM 355	Facilitating Effective Teams	3.00
COMM 359	Work & Social Inequities	3.00
GPHY 336	Geography, the Environment and Human Health	3.00
INTS 306	Culture, Identity and Self	3.00
INTS 307	Intercultural Relations	3.00
LING 310	Phonetics	3.00
NSCI 323	Cellular Neuroscience	3.00
NSCI 324	Systems Neuroscience	3.00
NSCI 325	The Science of Psychedelics	3.00
NSCI 401	Introduction to Theoretical Neuroscience	3.00
NSCI 414	Progress in Neuroanatomy and Neuropharmacology	3.00
PHIL 301	Bioethics	3.00
PHIL 311	Philosophy of Psychology	3.00
PHIL 351	Philosophy of Mind	3.00
POLS 312	Political Behaviour	3.00
POLS 313	Mass Media and Politics Canada	3.00
SOCY 387	Sociology of Crime and Delinquency	3.00
SOCY 388	Sociology of Criminal Justice	3.00
SOCY 389	Gender, Law and Crime	3.00
STAT 463	Fundamentals of Statistical Inference	3.00
STAT 464	Discrete Time Series Analysis	3.00
STAT 471	Sampling and Experimental Design	3.00
STAT 473	Generalized Linear Models	3.00
STAT 486	Survival Analysis	3.00

PSYC_Subs_B

Code	Title	Units
Psychology Substitutions List B (200-level and above)		
ANAT 312	Functional Neuroanatomy	3.00
BCHM 218	Molecular Biology	3.00
BIOL 205	Mendelian and Molecular Genetics	3.00
BIOL 206	Evolutionary Genetics	3.00
BIOL 300	Ecology	3.00
BIOL 321	Animal Behaviour	3.00

BIOL 331	Analytical Genomics	3.00
BIOL 350	Evolution and Human Affairs	3.00
BIOL 369	Sex and Evolution	3.00
BIOL 445	Neuroethology	3.00
BIOM 300	Modeling Techniques in Biology	3.00
CISC 325	Human-Computer Interaction	3.00
CISC 352	Artificial Intelligence	3.00
CISC 452	Neural and Genetic Computing	3.00
CISC 453	Topics in Artificial Intelligence	3.00
CISC 455	Evolutionary Optimization and Learning	3.00
CISC 467	Fuzzy Logic	3.00
CISC 474	Reinforcement Learning	3.00
COGS 201	Cognition and Computation	3.00
COGS 300	Programming Cognitive Models	3.00
COGS 400	Neural and Genetic Cognitive Models	3.00
COMM 231	Fundamentals of Marketing	3.00
COMM 251	Organizational Behaviour	3.00
COMM 333	Marketing Strategy	3.00
COMM 351	Leadership	3.00
COMM 352	Organizational Analysis	3.00
COMM 355	Facilitating Effective Teams	3.00
COMM 359	Work & Social Inequities	3.00
ECON 261	Canadian Labour Relations	3.00
GPHY 336	Geography, the Environment and Human Health	3.00
INTS 306	Culture, Identity and Self	3.00
INTS 307	Intercultural Relations	3.00
LING 310	Phonetics	3.00
NSCI 323	Cellular Neuroscience	3.00
NSCI 324	Systems Neuroscience	3.00
NSCI 325	The Science of Psychedelics	3.00
NSCI 401	Introduction to Theoretical Neuroscience	3.00
NSCI 414	Progress in Neuroanatomy and Neuropharmacology	3.00
PHIL 301	Bioethics	3.00
PHIL 311	Philosophy of Psychology	3.00
PHIL 351	Philosophy of Mind	3.00
POLS 312	Political Behaviour	3.00
POLS 313	Mass Media and Politics Canada	3.00
SOCY 275	Theories of Deviance and Social Control	3.00
SOCY 276	Substantive Issues in Social Deviance	3.00
SOCY 387	Sociology of Crime and Delinquency	3.00
SOCY 388	Sociology of Criminal Justice	3.00
SOCY 389	Gender, Law and Crime	3.00
STAT 463	Fundamentals of Statistical Inference	3.00

STAT 464	Discrete Time Series Analysis	3.00
STAT 471	Sampling and Experimental Design	3.00
STAT 473	Generalized Linear Models	3.00
STAT 486	Survival Analysis	3.00

PSYC_Cognitive

Code	Title	Units
Cognitive Neuroscience Courses		
PSYC 305	Introduction to Comparative Cognition	3.00
PSYC 315	Introduction to the Analysis of Psychological Signals	3.00
PSYC 320	Selected Topics in Cognitive Neuroscience	3.00
PSYC 321	Psycholinguistics	3.00
PSYC 323	Laboratory in Attention	3.00
PSYC 325	Cognitive Neuroscience	3.00
PSYC 355	Comparative Cognition: Cognitive Origins Laboratory	3.00
PSYC 376	Functional Neuroimaging the Human Brain and Mind	3.00
PSYC 377	Decision-Making and the Brain: Principles of Neuroeconomics	3.00
PSYC 380	Advanced Perception	3.00
PSYC 420	Advanced Topics in Cognitive Psychology	3.00
PSYC 421	Memory and the Brain	3.00
PSYC 422	Advanced Topics in Attention	3.00
PSYC 423	Visual Cognition in the Real World	3.00

PSYC_Behavioural Neuroscience

Code	Title	Units
Behavioural Neuroscience Courses		
PSYC 360	The Neurobiology and Psychology of Sleep	3.00
PSYC 365	Selected Topics in Behavioural Neuroscience	3.00
PSYC 366	Gender/Sex, Hormones, and Behaviour	3.00
PSYC 370	Brain and Behaviour II	3.00
PSYC 375	Comparative Cognition: Animal Learning Laboratory	3.00
PSYC 470	Advanced Topics in Behavioural Neuroscience	3.00
PSYC 471	Behavioural Pharmacology	3.00
PSYC 473	Neurobiology of Psychiatric Disorders	3.00

PSYC_Clinical

Code	Title	Units
Clinical Psychology Courses		
PSYC 330	Selected Topics in Clinical Psychology	3.00
PSYC 331	Introduction to Personality	3.00



PSYC 332	Health Psychology	3.00
PSYC 333	Human Sexuality	3.00
PSYC 334	Laboratory in Psychological Testing	3.00
PSYC 335	Positive Psychology	3.00
PSYC 336	Advanced Adult Clinical Psychology	3.00
PSYC 337	Advanced Child Clinical Psychology	3.00
PSYC 428	Psychotic Disorders	3.00
PSYC 429	Pain: Body and Mind	3.00
PSYC 433	Human Sexual Function and Dysfunction	3.00
PSYC 435	Advanced Topics in Clinical Psychology	3.00
PSYC 436	Sexuality and Gender	3.00
PSYC 437	Mood Disorders	3.00
PSYC 438	Self-Injury and Suicide	3.00
PSYC 439	Interpersonal Processes in Depression	3.00

PSYC_Developmental

Code	Title	Units
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Developmental Psychology Courses

PSYC 350	Selected Topics in Developmental Psychology	3.00
PSYC 351	Social and Emotional Development	3.00
PSYC 352	Cognitive and Language Development	3.00
PSYC 353	Atypical Development	3.00
PSYC 450	Advanced Topics in Developmental Psychology	3.00
PSYC 451	Brain Development	3.00
PSYC 452	Developmental Psycholinguistic	3.00
PSYC 453	Infancy	3.00
PSYC 454	Child in Society	3.00
PSYC 455	Adolescence	3.00
PSYC 456	Theory of Mind	3.00
PSYC 458	Neurobiology of Socio-Emotional Development in Adolescence	3.00

PSYC_Social

Code	Title	Units
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Social Psychology Courses

PSYC 340	Selected Topics in Social Psychology	3.00
PSYC 341	Laboratory in Social Psychology	3.00
PSYC 342	The Psychology of Social Influence	3.00
PSYC 343	Judgement and Decision Making	3.00
PSYC 430	The Self	3.00
PSYC 440	Advanced Topics in Social Psychology	3.00
PSYC 441	Attitudes and Persuasion	3.00
PSYC 442	Culture and Cognition	3.00
PSYC 443	Intimate Relationships	3.00

STAT_Options

Code	Title	Units
Statistic Course Options		
BIOL 243	Introduction to Statistics	3.00
CHEE 209	Analysis Of Process Data	3.00
COMM 162	Managerial Statistics	3.00
ECON 250	Introduction to Statistics	3.00
GPHY 247	Introduction to Statistics	3.00
KNPE 251	Introduction to Statistics	3.00
NURS 323	Introduction to Statistics	3.00
POLS 285	Introduction to Statistics	3.00
PSYC 202	Statistics in Psychology	3.00
SOCY 211	Introduction to Statistics	3.00
STAM 200	Introduction to Statistics	3.00
STAT 263	Introduction to Statistics	3.00
STAT 367	Engineering Data Analysis	4.00