FOR APPROVAL **PUBLIC** **OPEN SESSION**

TO:	UTSC Academic Affairs Committee
SPONSOR:	Prof. Karin Ruhlandt, Vice-Principal Academic and Dean
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PRESENTER:	Prof. Katie Larson, Vice-Dean Teaching, Learning & Undergraduate Programs
CONTACT INFO:	vdundergrad.utsc@utoronto.ca
DATE:	January 8 for January 26, 2026
AGENDA ITEM:	7

ITEM IDENTIFICATION:

Minor Modifications: Undergraduate Curriculum Changes, Sciences UTSC (For Approval)

JURISDICTIONAL INFORMATION:

The UTSC Academic Affairs Committee (AAC) "is concerned with matters affecting the teaching, learning and research functions of the Campus (AAC *Terms of Reference*, section 4)." Under section 5.6 of its *Terms of Reference*, the AAC is responsible for approval of "major and minor modifications to existing degree programs."

The AAC has responsibility for the approval of major and minor modifications to existing programs as defined by the University of Toronto Quality Assurance Process (UTQAP, Section 3.1 and 3.3).

GOVERNANCE PATH:

1. **UTSC Academic Affairs Committee [For Approval] (January 26, 2026)**

PREVIOUS ACTION TAKEN:

No previous action in governance has been taken on this item.

HIGHLIGHTS:

This package contains minor modifications to the undergraduate curriculum submitted by the UTSC Sciences academic units listed below. These changes require governance approval. Minor modifications are defined as adjustments that do not substantially alter program or course learning outcomes but may

involve modest changes to the structure of a program or course. Upon approval, these changes are in effect as of Fall 2026, for the 2026-27 academic year.

- Department of Psychology (Report: Undergraduate Minor Curriculum Modifications Sciences for Approval)
    - 13 Program Modifications:
        - SCMAJ1160M: MAJOR PROGRAM IN MENTAL HEALTH STUDIES (SCIENCE)
        - SCMAJ1472: MAJOR PROGRAM IN NEUROSCIENCE (SCIENCE)
        - SCMAJ1160: MAJOR PROGRAM IN PSYCHOLOGY (SCIENCE)
        - SCSPE1160N: SPECIALIST (CO-OPERATIVE) PROGRAM IN MENTAL HEALTH STUDIES (SCIENCE)
        - SCSPE1272C: SPECIALIST (CO-OPERATIVE) PROGRAM IN NEUROSCIENCE - Cellular/Molecular Stream (SCIENCE)
        - SCSPE1172C: SPECIALIST (CO-OPERATIVE) PROGRAM IN NEUROSCIENCE - Cognitive Stream (SCIENCE)
        - SCSPE1372C: SPECIALIST (CO-OPERATIVE) PROGRAM IN NEUROSCIENCE - Systems/Behavioural Stream (SCIENCE)
        - SCSPE1160A: SPECIALIST (CO-OPERATIVE) PROGRAM IN PSYCHOLOGY (SCIENCE)
        - SCSPE1160M: SPECIALIST PROGRAM IN MENTAL HEALTH STUDIES (SCIENCE)
        - SCSPE1272: SPECIALIST PROGRAM IN NEUROSCIENCE - Cellular/Molecular Stream (SCIENCE)
        - SCSPE1172: SPECIALIST PROGRAM IN NEUROSCIENCE - Cognitive Stream (SCIENCE)
        - SCSPE1372: SPECIALIST PROGRAM IN NEUROSCIENCE - Systems/Behavioural Stream (SCIENCE)
        - SCSPE1160: SPECIALIST PROGRAM IN PSYCHOLOGY (SCIENCE)
    - 4 New Courses:
        - PSYA06H3: Introduction to Data Analysis for Scientific Literacy
        - PSYB06H3: Applied Statistical Analysis for Psychology & Neuroscience
        - PSYC06H3: Advanced Statistical Analysis for Psychology & Neuroscience
        - PSYD12H3: Me and I: The Self in Mind and Brain
    - 2 Course Modifications:
        - NROC90H3: Supervised Study in Neuroscience
        - NROC93H3: Supervised Study in Neuroscience

FINANCIAL IMPLICATIONS:

There are no significant financial implications to the campus operating budget.

RECOMMENDATION:

Be It Resolved:

THAT the proposed Sciences undergraduate curriculum changes for the 2026-27 academic year, as detailed in the respective curriculum report, be approved.

DOCUMENTATION PROVIDED:

1. Report - Undergraduate Minor Curriculum Modifications Sciences for Approval

University of Toronto Scarborough
2026-27 Curriculum Cycle
Undergraduate Minor Curriculum Modifications Sciences for Approval
January 26, 2026

Psychology (UTSC), Department of

13 Minor Program Mod Full Reviews - No Committee

SCMAJ1160M: MAJOR PROGRAM IN MENTAL HEALTH STUDIES (SCIENCE)

Completion Requirements:

Previous:

Program Requirements

The program requires 7.0 credits, of which at least 2.0 credits must be at the C- or D-level:

1. Introduction to Psychology (1.0 credit):
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Laboratory Methods (1.0 credit):
PSYB70H3 Methods in Psychological Science
PSYC37H3 Psychological Assessment

3. Statistical Methods (0.5 credit):
One of:
PSYB07H3 Data Analysis in Psychology
STAB22H3 Statistics I
STAB23H3 Introduction to Statistics for the Social Sciences

4. Personality and Clinical Psychology (1.0 credit):
PSYB30H3 Introduction to Personality
PSYB32H3 Introduction to Clinical Psychology

5. Psychosocial and Psychobiological Breadth (1.5 credits):
Students are required to take 1.0 credit from one group and 0.5 credit from the other group:

Psycho-Social Grouping:
PSYB38H3 Introduction to Behaviour Modification
PSYC15H3 Foundations in Community Psychology
PSYC17H3 Meeting Minds: The Psychology of Interpersonal Interactions
PSYC18H3 The Psychology of Emotion
PSYC30H3/(PSYC35H3) Advanced Personality Psychology
PSYC34H3 Happiness and Meaning
PSYC36H3 Psychotherapy
PSYC39H3 Psychology and the Law
PSYC73H3 Wellness and Resilience Laboratory

Psycho-Biological Grouping:
PSYB55H3 Introduction to Cognitive Neuroscience
PSYB64H3 Introduction to Behavioural Neuroscience
PSYC31H3 Neuropsychological Assessment
(PSYC33H3) Neuropsychological Rehabilitation
PSYC38H3 Adult Psychopathology
PSYC62H3 Drugs and the Brain

6. Seminar in Psychology at the D-level (0.5 credits)
All PSY D-level courses are considered "seminars", with the exception of PSYD98Y3.

7. Additional credits in Psychology at the B-level or higher (1.5 credits)
Supervised study [PSYB90H3 *or* PSYC90H3 *or* PSYC93H3] *or* thesis [PSYD98Y3] courses may be used to fulfill a maximum of 0.5 credit.

New:

Program Requirements

The program requires 7.5 credits, of which at least 2.0 credits must be at the C- or D-level:

1. Introduction to Psychology (1.0 credit):
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Laboratory Methods (1.0 credit):
PSYB70H3 Methods in Psychological Science
PSYC37H3 Psychological Assessment

3. Statistical Methods (1.0 credit)
0.5 credit from the following:
PSYA06H3 Introduction to Data Analysis for Scientific Literacy*
STAB22H3 Statistics I
STAB23H3 Introduction to Statistics for the Social Sciences
and:
PSYB06H3 Applied Statistical Analysis for Psychology & Neuroscience

Notes:
*1. Department of Psychology students are strongly encouraged to choose the PSYA06H3 course option.
2. For students who have completed the retired (PSYB07H3) course, please contact the Undergraduate Program Administrator for guidance.

4. Personality and Clinical Psychology (1.0 credit):
PSYB30H3 Introduction to Personality
PSYB32H3 Introduction to Clinical Psychology

5. Psychosocial and Psychobiological Breadth (1.5 credits):
Students are required to take 1.0 credit from one group and 0.5 credit from the other group:

Psycho-Social Grouping:
PSYB38H3 Introduction to Behaviour Modification
PSYC15H3 Foundations in Community Psychology
PSYC17H3 Meeting Minds: The Psychology of Interpersonal Interactions
PSYC18H3 The Psychology of Emotion
PSYC30H3 Advanced Personality Psychology
PSYC34H3 Happiness and Meaning
PSYC36H3 Psychotherapy
PSYC39H3 Psychology and the Law
PSYC73H3 Wellness and Resilience Laboratory

Psycho-Biological Grouping:
PSYB55H3 Introduction to Cognitive Neuroscience
PSYB64H3 Introduction to Behavioural Neuroscience
PSYC31H3 Neuropsychological Assessment
(PSYC33H3) Neuropsychological Rehabilitation
PSYC38H3 Adult Psychopathology
PSYC62H3 Drugs and the Brain

6. Seminar in Psychology at the D-level (0.5 credits)
All PSY D-level courses are considered "seminars", with the exception of PSYD98Y3.

7. Additional credits in Psychology at the B-level or higher (1.5 credits)
Supervised study [PSYB90H3 *or* PSYC90H3 *or* PSYC93H3] *or* thesis [PSYD98Y3] courses may be used to fulfill a maximum of 0.5 credit.

Description of Proposed Changes:
1. Program Requirements: The overall number of credits required for the program has increased from 7.0 to 7.5.
2. Requirement 3: Statistical Methods requirement has increased from 1.0 to 1.5 credits:
(a) PSYB07H3 has been retired and replaced with two new statistics courses, PSYA06H3 and PSYB06H3.
(b) Clarifying language has been added to encourage PSY students to select PSYA06H3 over other introductory statistics options. Instructions for contacting the Program Administrator have been added for students joining the program after completing one of the retired statistics course options.
3. Requirement 5: Removed retired (PSYC35) from the program options.

Rationale:
1. As part of a full revamp of the Statistics courses in the Department of Psychology, existing statistics courses PSYB07H3, PSYC08H3, and PSYC09H3H3 are being retired, and replaced with three new courses: PSYA06H3, PSYB06H3, and PSYC06H3. Students in the Majors programs will be required to take the first two courses of this sequence, PSYA06H3 and PSYB06H3. This increases the program's overall credit value by 0.5, since students were previously required to take only one (0.5) statistics course.
2. The increase in the requirement 3 by an additional 0.5 credits due to the statistical course revamp.
(a) PSYA06H3 will cover core introductory topics like descriptive statistics, probability, and hypothesis testing, making room in PSYB06H3 for deeper analysis, applied work, and skill development. Together, these courses will play a foundational role in preparing students for upper-year courses in Psychology, where more advanced data analysis techniques are introduced.
(b) To provide clarity during this period of transition, a note has been added instructing students to contact the Program Administrator if they've taken the

retired PSYB07 course. Since PSYB07H3 is positioned somewhere between the new PSYA06 and PSYB06 in terms of content, there is no simple way to indicate how PSYB07H3 interacts with the new version of the program. Students who have taken the retired course can reach out to the Program Administrator for next steps. Namely, an exception will be made to allow PSYB07H3 in place of both PSYA06+B06; however, the student will be instructed to take an extra PSY course beyond their program requirements to make up the credit discrepancy.
3. (PSYC35H3) is a long-retired course and no longer needed to be stated in this program requirement

Note: These changes also apply to the Co-op version of the program. No updates to its Calendar entry are required, as it references the non-Co-op version for its academic course requirements.

Impact:
None. Note: These changes also apply to the Co-op version of the program. No updates to its Calendar entry are required, as it references the non-Co-op version for its academic course requirements.

Consultations:
DCC Approval: Oct 9, 2025
RO Approval (Lindsey T.): Oct 27, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCMAJ1472: MAJOR PROGRAM IN NEUROSCIENCE (SCIENCE)

Completion Requirements:

Previous:

Program Requirements
Students must complete a total of 8.5 credits.

1. Scientific Foundations (3.0 credits)
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms *or* CHMA12H3 Advanced General Chemistry]
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Neuroscience Foundations (3.5 credits)
BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
NROB60H3 Neuroanatomy Laboratory
NROB61H3 Neurophysiology
PSYB55H3 Introduction to Cognitive Neuroscience
PSYB70H3 Methods in Psychological Science
[PSYB07H3 Data Analysis in Psychology *or* STAB22H3 Statistics I]

3. Advanced Foundations (1.5 credits)
at least 1.0 credit must be taken from:
BIOC44H3/(NROC34H3) Neuroethology
NROC36H3 Molecular Neuroscience
NROC61H3 Learning and Motivation
NROC64H3 Sensorimotor Systems
NROC69H3 Synaptic Organization and Physiology of the Brain

the remaining 0.5 credit should be taken from the following:
BIOC14H3 Genes, Environment and Behaviour
NROC60H3 Cellular Neuroscience Laboratory
NROC63H3 Behavioural Neuroscience Laboratory
NROC90H3 Supervised Study in Neuroscience
NROC93H3 Supervised Study in Neuroscience
PSYC62H3 Drugs and the Brain

4. Capstone Course (0.5 credit)
one of the following:
BIOD06H3 Advanced Topics in Neural Basis of Motor Control
BIOD07H3 Advanced Topics and Methods in Neural Circuit Analysis
BIOD08H3/(NROD08H3) Theoretical Neuroscience*
BIOD45H3 Animal Communication
BIOD65H3 Pathologies of the Nervous System
NROD60H3 Current Topics in Neuroscience
NROD61H3 Emotional Learning Circuits
NROD66H3 Drug Addiction
NROD67H3 Neuroscience of Aging
NROD98Y3 Thesis in Neuroscience
PSYD62H3 Neuroscience of Pleasure and Reward
PSYD66H3 Current Topics in Human Brain and Behaviour

*Note: BIOD08H3/(NROD08H3) has a calculus prerequisite that is not part of this program. Students interested in this course should plan accordingly.

New:

Program Requirements
Students must complete a total of 9.0 credits.

1. Scientific Foundations (3.5 credits)
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms *or* CHMA12H3 Advanced General Chemistry]
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology
and
0.5 credit from the following:
PSYA06H3 Introduction to Data Analysis for Scientific Literacy*
STAB22H3 Statistics I
STAB23H3 Introduction to Statistics for the Social Sciences

Notes:
*1. Department of Psychology students are strongly encouraged to choose the PSYA06H3 course option.
2. For students who have completed the retired (PSYB07H3) course, please contact the Undergraduate Program Administrator for guidance.

2. Neuroscience Foundations (3.5 credits)
BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
NROB60H3 Neuroanatomy Laboratory
NROB61H3 Neurophysiology
PSYB06H3 Applied Statistical Analysis for Psychology & Neuroscience
PSYB55H3 Introduction to Cognitive Neuroscience
PSYB70H3 Methods in Psychological Science

3. Advanced Foundations (1.5 credits)
at least 1.0 credit must be taken from:
BIOC44H3/(NROC34H3) Neuroethology
NROC36H3 Molecular Neuroscience
NROC61H3 Learning and Motivation
NROC64H3 Sensorimotor Systems
NROC69H3 Synaptic Organization and Physiology of the Brain

the remaining 0.5 credit should be taken from the following:
BIOC14H3 Genes, Environment and Behaviour
NROC60H3 Cellular Neuroscience Laboratory
NROC63H3 Behavioural Neuroscience Laboratory
NROC90H3 Supervised Study in Neuroscience
NROC93H3 Supervised Study in Neuroscience
PSYC62H3 Drugs and the Brain

4. Capstone Course (0.5 credit)
0.5 credit from the following:
BIOD06H3 Advanced Topics in Neural Basis of Motor Control
BIOD07H3 Advanced Topics and Methods in Neural Circuit Analysis
BIOD08H3/(NROD08H3) Theoretical Neuroscience*
BIOD45H3 Animal Communication
BIOD65H3 Pathologies of the Nervous System
NROD60H3 Current Topics in Neuroscience
NROD61H3 Emotional Learning Circuits
(NROD66H3) Drug Addiction
NROD67H3 Neuroscience of Aging
NROD98Y3 Thesis in Neuroscience
PSYD12H3 Me and I: The Self in Mind and Brain
PSYD51H3 Current Topics in Perception
PSYD54H3 Current Topics in Visual Recognition
PSYD62H3 Neuroscience of Pleasure and Reward
PSYD66H3 Current Topics in Human Brain and Behaviour

*Note: BIOD08H3/(NROD08H3) has a calculus prerequisite that is not part of this program. Students interested in this course should plan accordingly.

Description:

Previous:

The Major program in Neuroscience focuses on both Cellular/Molecular and Systems/Behavioural Neuroscience and requires less research-intensive coursework than the Specialist programs. The Major focuses more on how to be a skilled consumer of neuroscience research, providing a valuable foundation for a variety of career paths.

Students may not combine a Neuroscience Major program with a Minor program from the Department of Biological Sciences. Students who wish to combine the Major in Neuroscience with another Major from the Department of Psychology or Department of Biological Sciences are advised to pay careful attention to the 12.0 distinct credits requirement to receive a certification of the completion of both programs. Consultation with the respective Program Supervisors in the selection of credits is recommended. For more information, see the Degree Requirements section in the UTSC *Calendar*.

New:

The Major program in Neuroscience focuses primarily on Cellular/Molecular and Systems/Behavioural Neuroscience and requires less research-intensive coursework than the Specialist programs. The Major focuses more on how to be a skilled consumer of neuroscience research, providing a valuable foundation for a variety of career paths.

Students may not combine a Neuroscience Major program with a Minor program from the Department of Biological Sciences. Students who wish to combine the Major in Neuroscience with another Major from the Department of Psychology or Department of Biological Sciences are advised to pay careful attention to the 12.0 distinct credits requirement to receive a certification of the completion of both programs. Consultation with the respective Program Supervisors in the selection of credits is recommended. For more information, see the Degree Requirements section in the UTSC *Calendar*.

Enrolment Requirements:

Previous:

Enrolment in the Program is limited. The admission requirements may change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enrol in backup programs.

The minimum requirements to be considered for admission are: Completion of 4.0 credits including BIOA01H3, BIOA02H3, CHMA10H3, [CHMA11H3 *or* CHMA12H3], PSYA01H3, and PSYA02H3, and a CGPA of 2.0 or higher.

Application for admission will be made to the Office of the Registrar through ACORN, during the Limited Program application periods. For more information on applying to limited enrolment programs, please visit the Office of the Registrar website.

New:

Enrolment in the Program is limited. The admission requirements may change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enrol in backup programs.

The minimum requirements to be considered for admission are: Completion of 4.0 credits including BIOA01H3, BIOA02H3, CHMA10H3, [CHMA11H3 *or* CHMA12H3], PSYA01H3, PSYA02H3, and [PSYA06H3 or STAB22H3 or STAB23H3], and a CGPA of 2.0 or higher.

Application for admission will be made to the Office of the Registrar through ACORN, during the Limited Program application periods. For more information on applying to limited enrolment programs, please visit the Office of the Registrar website.

Description of Proposed Changes:

1. Description: Slight tweak to language
2. Enrollment requirements: PSYA06H3/STAB22/STAB23 added as enrollment requirements
3. Program requirements: The overall number of credits increased from 8.5 to 9.0 credits
4. Requirement 1: Increase the credit requirement from 3.0 to 3.5 credits.
(a) PSYA06/STAB22/STAB23 added to Scientific Foundations requirement
(b) Clarifying language has been added to encourage Department of Psychology students to select PSYA06 over other introductory statistics options at the university. Instructions for contacting the Program Administrator have been added for students joining the program after completing one of the retired statistics course options.
5. Requirement 2: Retired (PSYB07) removed and replaced with PSYB06H3 in Neuroscience Foundations
6. Requirement 4:
(a) Added round brackets to (NROD66) indicated in Capstone Courses
(b) Added new course PSYD12H3 to Capstone Courses, as well as existing courses PSYD51H3 and PSYD54H3, added to Capstone Courses options

Rationale:

1. Language changes to better represent the content of the program, which does cover some cognitive neuroscience elements, as well.
2. For the enrollment requirements, students have previously been able to use strong performance in PSYB07 as a second chance at program enrollment if they missed the original PSYA01/A02 grade cut-off. Since PSYB07 is now being retired, we've replaced it with [PSYA06 or PSYB06] in the enrollment requirements. This allows strong performance in either of these two new statistics courses to contribute to potential enrollment in the program.
3. As part of a full revamp of the Statistics courses in the Department of Psychology, existing statistics courses PSYB07H3, PSYC08H3, and PSYC09H3H3 are being retired, and replaced with three new courses: PSYA06H3, PSYB06H3, and PSYC06H3. Students in the Majors programs will be required to take the first two courses of this sequence, PSYA06H3 and PSYB06H3.. This increases the overall credit value of the program by 0.5, since students were previously only required to take one statistics course.
4. The increase in the statistical requirement by 0.5 credits has been applied here
(a) Retired courses removed or added round brackets, and new statistics courses added
(b) PSYA06 will cover core introductory topics like descriptive statistics, probability, and hypothesis testing, making room in PSYB06 for deeper analysis,

applied work, and skill development. Together, these courses will play a foundational role in preparing students for upper-year courses in Psychology, where more advanced data analysis techniques are introduced. To provide clarity during this period of transition, a note has been added instructing students to contact the Program Administrator if they've taken the retired PSYB07 course. Since PSYB07H3 is positioned somewhere between the new PSYA06 and PSYB06 in terms of content, there is no simple way to indicate how PSYB07H3 interacts with the new version of the program. Students who have taken the retired course can reach out to the Program Administrator for next steps. Namely, an exception will be made to allow PSYB07H3 in place of both PSYA06+B06; however, the student will be instructed to take an extra PSY course beyond their program requirements to make up the credit discrepancy.
5. Removed the retired course and included the replacement to ensure accuracy in the calendar
6. Capstone options have been updated to reflect current course options -- NROD66 is being retired, and a new course, PSYD12H3, is being added. The content of PSYD12H3 is based on material that Prof. Thiruchselvam has taught under the PSYD66H3 (Current Topics in Human Brain and Behaviour) umbrella for the past 4 years and is appropriate for Neuroscience students. PSYD51H3 and PSYD54H3 are also being included to give students more options. These courses are based in cognitive neuroscience, and are relevant to students in the Neuroscience Major.

Impact:
None. Note: These changes also apply to the Co-op version of the program. No updates to its Calendar entry are required, as it references the non-Co-op version for its academic course requirements.

Consultations:
DCC approved Oct 9, 2025
Department of Biological Sciences [Shelley Brunt, Jen Campbell]: Oct 20, 2025
RO Approval (Lindsey T.): October 27, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCMAJ1160: MAJOR PROGRAM IN PSYCHOLOGY (SCIENCE)

Completion Requirements:

Previous:

Program Requirements

The Program requires completion of 7.0 credits, of which at least 2.0 credits must be at the C- or D-level:

1. Introduction to Psychology (1.0 credit)
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Laboratory Methods (0.5 credit)
PSYB70H3 Methods in Psychological Science

3. Statistical Methods (0.5 credit)
[PSYB07H3 Data Analysis in Psychology *or* STAB22H3 Statistics I *or* STAB23H3 Introduction to Statistics for the Social Sciences]

4. Breadth in Psychology at the B-level and C-level (2.0 credits)
Students are required to take 1.0 credits at the B- or C-level from each of the content groups listed below:
(a) Social and Developmental (courses listed in the 10- and 20-series)
(b) Perception, Cognition and Physiology (courses listed in the 50- and 60-series)

5. Seminar in Psychology at the D-level (0.5 credit)
All PSY D-level courses are considered "seminars", with the exception of PSYD98Y3.

6. Additional credits in Psychology at the B-level or higher (2.5 credits)
Of the 2.5 credits, at least 1.0 credit must be at the C-level. Supervised study [PSYB90H3 *or* PSYC90H3 *or* PSYC93H3] or thesis [PSYD98Y3] courses may be used to fulfill a maximum of 0.5 credit.

New:

Program Requirements

The Program requires completion of 7.5 credits, of which at least 2.0 credits must be at the C- or D-level:

1. Introduction to Psychology (1.0 credit)
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Laboratory Methods (0.5 credit)
PSYB70H3 Methods in Psychological Science

3. Statistical Methods (1.0 credit)
0.5 credit from the following:
PSYA06H3 Introduction to Data Analysis for Scientific Literacy*
STAB22H3 Statistics I

STAB23H3 Introduction to Statistics for the Social Sciences
and:
PSYB06H3 Applied Statistical Analysis for Psychology & Neuroscience

Notes:
*1. Department of Psychology students are strongly encouraged to choose the PSYA06H3 course option.
2. For students who have completed the retired (PSYB07H3) course, please contact the Undergraduate Program Administrator for guidance.

4. Breadth in Psychology at the B-level and C-level (2.0 credits)
Students are required to take 1.0 credits at the B- or C-level from each of the content groups listed below:
(a) Social and Developmental (courses listed in the 10- and 20-series)
(b) Perception, Cognition and Physiology (courses listed in the 50- and 60-series)

5. Seminar in Psychology at the D-level (0.5 credit)
All PSY D-level courses are considered "seminars", with the exception of PSYD98Y3.

6. Additional credits in Psychology at the B-level or higher (2.5 credits)
Of the 2.5 credits, at least 1.0 credit must be at the C-level. Supervised study [PSYB90H3 *or* PSYC90H3 *or* PSYC93H3] or thesis [PSYD98Y3] courses may be used to fulfill a maximum of 0.5 credit.

Description of Proposed Changes:
1. Program Requirements: The overall number of credits required for the program has increased from 7.0 to 7.5.
2. Requirement 3: Statistical Methods requirement has increased from 1.0 to 1.5 credits:
(a) PSYB07H3 has been retired and replaced with two new statistics courses, PSYA06H3 and PSYB06H3.
(b) Clarifying language has been added to encourage PSY students to select PSYA06H3 over other introductory statistics options. Instructions for contacting the Program Administrator have been added for students joining the program after completing one of the retired statistics course options.

Rationale:
1. As part of a full revamp of the Statistics courses in the Department of Psychology, existing statistics courses PSYB07H3, PSYC08H3, and PSYC09H3H3 are being retired, and replaced with three new courses: PSYA06H3, PSYB06H3, and PSYC06H3. Students in the Majors programs will be required to take the first two courses of this sequence, PSYA06H3 and PSYB06H3. This increases the program's overall credit value by 0.5, since students were previously required to take only one statistics course.
2. The increase in the requirement 3 by an additional 0.5 credits due to the statistical course revamp.
(a) PSYA06H3 will cover core introductory topics like descriptive statistics, probability, and hypothesis testing, making room in PSYB06H3 for deeper analysis, applied work, and skill development. Together, these courses will play a foundational role in preparing students for upper-year courses in Psychology, where more advanced data analysis techniques are introduced.
(b) To provide clarity during this period of transition, a note has been added instructing students to contact the Program Administrator if they've taken the retired PSYB07 course. Since PSYB07H3 is positioned somewhere between the new PSYA06 and PSYB06 in terms of content, there is no simple way to indicate how PSYB07H3 interacts with the new version of the program. Students who have taken the retired course can reach out to the Program Administrator for next steps. Namely, an exception will be made to allow PSYB07H3 in place of both PSYA06+B06; however, the student will be instructed to take an extra PSY course beyond their program requirements to make up the credit discrepancy.

Impact:
None. Note: These changes also apply to the Co-op version of the program. No updates to its Calendar entry are required, as it references the non-Co-op version for its academic course requirements.

Consultations:
DCC Approval: Oct 9, 2025
RO Approval (Lindsey T.): Oct 27, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCSPE1160N: SPECIALIST (CO-OPERATIVE) PROGRAM IN MENTAL HEALTH STUDIES (SCIENCE)

Completion Requirements:

Previous:

Planning Your Co-op Work Terms & Academics
Enrollment in a Co-op program requires careful planning of both academics and work terms. Students should consult their Co-op Program Coordinator and Academic Program Advisors, as well as review the standard co-op sequences and course maps available on the Arts & Science Co-op website and Arts and Science Co-op Compass for guidance.

Academic Program Requirements
The program requires completion of 12.5 credits as follows, including at least 4.0 credits at the C- or D-level, of which at least 1.0 credit must be at the D-level:

1. Introduction to Psychology (1.0 credit)
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Laboratory Methods (2.0 credits)
PSYB70H3 Methods in Psychological Science

PSYC37H3 Psychological Assessment
PSYC70H3 Advanced Research Methods Laboratory
PSYC73H3 Wellness and Resilience Laboratory

3. Statistical Methods (1.0 credit)
PSYB07H3 Data Analysis in Psychology
[PSYC08H3 Advanced Data Analysis in Psychology *or* PSYC09H3 Applied Multiple Regression in Psychology]

4. PSYC02H3 Scientific Communication in Psychology (0.5 credit)

5. PSYC01H3/(PSYC85H3) History of Psychology (0.5 credit)

6. Personality and Clinical Psychology (1.0 credit):
PSYB30H3 Introduction to Personality
PSYB32H3 Introduction to Clinical Psychology

7. PSYB55H3 Introduction to Cognitive Neuroscience (0.5 credit)

8. Psychosocial and Psychobiological Breadth (2.5 credits)
Students are required to take 1.5 credits from one group and 1.0 credit from the other group:

Psycho-Social Grouping
PSYB38H3 Introduction to Behaviour Modification
PSYC15H3 Foundations in Community Psychology
PSYC17H3 Meeting Minds: The Psychology of Interpersonal Interactions
PSYC18H3 The Psychology of Emotion
PSYC30H3/(PSYC35H3) Advanced Personality Psychology
PSYC34H3 Happiness and Meaning
PSYC36H3 Psychotherapy
PSYC39H3 Psychology and the Law

Psycho-Biological Grouping
PSYB64H3 Introduction to Behavioural Neuroscience
PSYC31H3 Neuropsychological Assessment
(PSYC33H3) Neuropsychological Rehabilitation
PSYC38H3 Adult Psychopathology
PSYC62H3 Drugs and the Brain

9. Seminars in Psychology at the D-level (1.0 credit):
All PSY D-level courses are considered “seminars,” with the exception of PSYD98Y3. Student must take 1.0 credit of seminars in Psychology at the D-level, of which 0.5 credit must come from the PSY D30-series:
PSYD30H3 Current topics in Personality Psychology
PSYD31H3 Cultural-Clinical Psychology
PSYD32H3 Personality Disorders
PSYD33H3 Current Topics in Clinical Psychology
PSYD35H3 Clinical Psychopharmacology
PSYD37H3 Social Context of Mental Health and Illness
PSYD39H3 Cognitive Behavioural Therapy

10. Additional credits in Psychology at the B-level or higher (1.0 credit)
Supervised study [PSYB90H3 *or* PSYC90H3 *or* PSYC93H3] *or* thesis [PSYD98Y3] courses may be used to fulfill a maximum of 0.5 credit.

11. 1.5 credits from the following courses:
BIOC70H3 An Introduction to Bias in STEMM (Science, Technology, Engineering, Mathematics and Medicine)
HLTA91H3 A Health Campus for Students: Prioritizing Mental Health
HLTB40H3 Health Policy and Health Systems
HLTB41H3 Introduction to the Social Determinants of Mental Health
HLTB42H3 Perspectives of Culture, Illness and Healing
HLTB50H3 Introduction to Health Humanities
HLTC22H3 Health, Aging, and the Life Cycle
HLTC23H3 Issues in Child Health and Development
HLTC42H3 Emerging Health Issues and Policy Needs
HLTC49H3 Indigenous Health
IDSB04H3 Introduction to International/Global Health
IDSC11H3 Issues in Global and International Health
LINB20H3 Sociolinguistics
PHLA11H3 Introduction to Ethics
PHLB07H3 Ethics
PHLB09H3 Biomedical Ethics
PHLB18H3 Ethics of Artificial Intelligence
PHLB81H3 Theories of Mind
PHLC07H3 Death and Dying
PHLC10H3 Topics in Bioethics
SOCB22H3 Sociology of Gender
SOCB49H3 Sociology of Family
SOCB50H3 Deviance and Normality I
SOCC49H3 Indigenous Health

Co-op Work Term Requirements
Students must successfully complete three Co-op work terms, totaling 12 months in duration, which can be fulfilled through the following options:

- Three 4-month work terms, *or*
- One 4-month work term and one 8-month work term, *or*
- One 12-month work term.

Students must be available for work terms during the Fall, Winter, and Summer semesters and are required to complete at least one of their work terms in either the Fall or Winter semester. As a result, students must also take courses during the Summer semesters.

To be eligible for their first work term, students must be enrolled in the program, have completed at least 7.0 credits, and maintain a CGPA of 2.50 or higher. It is strongly recommended that PSYB07H3, PSYB32H3, PSYB55H3, and PSYB70H3 be completed before the first work term, and, PSYC02H3, [PSYC08H3 or PSYC09H3], and PSYC70H3 be completed before the second work term. In addition to their academic courses, students must also complete the required Co-op preparation courses.

Co-op Course Requirements
Co-op students complete the following Co-op-specific courses as part of their degree:

Co-op Preparation Courses (Completed in First Year):

- **COPB50H3**
- **COPB54H3/(COPB51H3)**

Work Term Search Courses:

- **COPB55H3/(COPB52H3)** (Completed in the semester prior to the first work term)
- **COPC98H3** (Taken in the semester prior to the second work term)
- **COPC99H3** (Taken in the semester prior to the third work term)

Required Work Term Courses:

- **COPC01H3** (First work term)
- **COPC02H3** (Second work term)
- **COPC03H3** (Third work term)

Additional Work Terms & Courses:
After successful completion of the three required work terms, students interested in additional work terms will require approval from the Arts & Science Co-op Office. Additional coursework will also be required:

- **COPC04H3** (Fourth work term)
- **COPC05H3** (Fifth work term)

Note: Co-op courses are taken alongside a full course load and are recorded on transcripts as Credit/No Credit (CR/NCR). These courses have no credit weight and are considered additional credits beyond the 20.0 required degree credits. No additional course fee is charged, as registration is included in the Co-op Program fee.

For information on course codes, fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar.*

New:

Planning Your Co-op Work Terms & Academics
Enrollment in a Co-op program requires careful planning of both academics and work terms. Students should consult their Co-op Program Coordinator and Academic Program Advisors, as well as review the standard co-op sequences and course maps available on the Arts & Science Co-op website and Arts and Science Co-op Compass for guidance.

Academic Program Requirements
The program requires completion of 13.0 credits as follows, including at least 4.0 credits at the C- or D-level, of which at least 1.0 credit must be at the D-level:

1. Introduction to Psychology (1.0 credit)
PSYA01H3 Introduction to Biological and Cognitive Psychology

PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Laboratory Methods (2.0 credits)
PSYB70H3 Methods in Psychological Science
PSYC37H3 Psychological Assessment
PSYC70H3 Advanced Research Methods Laboratory
PSYC73H3 Wellness and Resilience Laboratory

3. Statistical Methods (1.5 credits)
0.5 credit from the following:
PSYA06H3 Introduction to Data Analysis for Scientific Literacy*
STAB22H3 Statistics I
STAB23H3 Introduction to Statistics for the Social Sciences
and:
PSYB06H3 Applied Statistical Analysis for Psychology & Neuroscience
and
0.5 credit from the following:
PSYC06H3 Advanced Statistical Analysis for Psychology & Neuroscience
(PSYC08H3) Advanced Data Analysis in Psychology
(PSYC09H3) Applied Multiple Regression in Psychology

Notes:
*1. Department of Psychology students are strongly encouraged to choose the PSYA06H3 course option.
2. For students who have completed the retired (PSYB07H3) course, please contact the Undergraduate Program Administrator for guidance.

4. PSYC02H3 Scientific Communication in Psychology (0.5 credit)

5. PSYC01H3/(PSYC85H3) History of Psychology (0.5 credit)

6. Personality and Clinical Psychology (1.0 credit):
PSYB30H3 Introduction to Personality
PSYB32H3 Introduction to Clinical Psychology

7. PSYB55H3 Introduction to Cognitive Neuroscience (0.5 credit)

8. Psychosocial and Psychobiological Breadth (2.5 credits)
Students are required to take 1.5 credits from one group and 1.0 credit from the other group:

Psycho-Social Grouping
PSYB38H3 Introduction to Behaviour Modification
PSYC15H3 Foundations in Community Psychology
PSYC17H3 Meeting Minds: The Psychology of Interpersonal Interactions
PSYC18H3 The Psychology of Emotion
PSYC30H3 Advanced Personality Psychology
PSYC34H3 Happiness and Meaning
PSYC36H3 Psychotherapy
PSYC39H3 Psychology and the Law

Psycho-Biological Grouping
PSYB64H3 Introduction to Behavioural Neuroscience
PSYC31H3 Neuropsychological Assessment
(PSYC33H3) Neuropsychological Rehabilitation
PSYC38H3 Adult Psychopathology
PSYC62H3 Drugs and the Brain

9. Seminars in Psychology at the D-level (1.0 credit):
All PSY D-level courses are considered “seminars,” with the exception of PSYD98Y3. Student must take 1.0 credit of seminars in Psychology at the D-level, of which 0.5 credit must come from the PSY D30-series:
PSYD30H3 Current topics in Personality Psychology
PSYD31H3 Cultural-Clinical Psychology
PSYD32H3 Personality Disorders
PSYD33H3 Current Topics in Clinical Psychology
PSYD35H3 Clinical Psychopharmacology
PSYD37H3 Social Context of Mental Health and Illness
PSYD39H3 Cognitive Behavioural Therapy

10. Additional credits in Psychology at the B-level or higher (1.0 credit)
Supervised study [PSYB90H3 *or* PSYC90H3 *or* PSYC93H3] *or* thesis [PSYD98Y3] courses may be used to fulfill a maximum of 0.5 credit.

11. 1.5 credits from the following courses:
BIOC70H3 An Introduction to Bias in STEMM (Science, Technology, Engineering, Mathematics and Medicine)
HLTA91H3 A Health Campus for Students: Prioritizing Mental Health
HLTB40H3 Health Policy and Health Systems
HLTB41H3 Social Determinants of Mental Health
HLTB42H3 Perspectives of Culture, Illness and Healing
HLTB50H3 Introduction to Health Humanities
HLTC22H3 Health, Aging, and the Life Cycle
HLTC23H3 Child Health and Development

HLTC42H3 Emerging Health Issues and Policy Needs
HLTC49H3 Indigenous Health
IDSB04H3 Introduction to International/Global Health
IDSC11H3 Issues in Global and International Health
LINB20H3 Sociolinguistics
PHLA11H3 Introduction to Ethics
PHLB07H3 Ethics
PHLB09H3 Bioethics
PHLB18H3 Artificial Intelligence, Mind and Society
PHLB81H3 Theories of Mind
PHLC07H3 Death and Dying
PHLC10H3 Topics in Bioethics
SOCB22H3 Sociology of Gender
SOCB49H3 Sociology of Family
SOCB50H3 Deviance and Normality I
SOCC49H3 Indigenous Health

Co-op Work Term Requirements
Students must successfully complete three Co-op work terms, totaling 12 months in duration, which can be fulfilled through the following options:

- Three 4-month work terms, *or*
- One 4-month work term and one 8-month work term, *or*
- One 12-month work term.

Students must be available for work terms during the Fall, Winter, and Summer semesters and are required to complete at least one of their work terms in either the Fall or Winter semester. As a result, students must also take courses during the Summer semesters.

To be eligible for their first work term, students must be enrolled in the program, have completed at least 7.0 credits, and maintain a CGPA of 2.50 or higher. It is strongly recommended that PSYA06H3, PSYB32H3, PSYB55H3, and PSYB70H3 be completed before the first work term, and, PSYB06H3, PSYC02H3, and PSYC70H3 be completed before the second work term. In addition to their academic courses, students must also complete the required Co-op preparation courses.

Co-op Course Requirements
Co-op students complete the following Co-op-specific courses as part of their degree:

Co-op Preparation Courses (Completed in First Year):

- **COPB50H3**
- **COPB54H3/(COPB51H3)**

Work Term Search Courses:

- **COPB55H3/(COPB52H3)** (Completed in the semester prior to the first work term)
- **COPC98H3** (Taken in the semester prior to the second work term)
- **COPC99H3** (Taken in the semester prior to the third work term)

Required Work Term Courses:

- **COPC01H3** (First work term)
- **COPC02H3** (Second work term)
- **COPC03H3** (Third work term)

Additional Work Terms & Courses:
After successful completion of the three required work terms, students interested in additional work terms will require approval from the Arts & Science Co-op Office. Additional coursework will also be required:

- **COPC04H3** (Fourth work term)
- **COPC05H3** (Fifth work term)

Note: Co-op courses are taken alongside a full course load and are recorded on transcripts as Credit/No Credit (CR/NCR). These courses have no credit weight and are considered additional credits beyond the 20.0 required degree credits. No additional course fee is charged, as registration is included in the Co-op Program fee.

For information on course codes, fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section

and the Arts and Science Co-op section in the UTSC *Calendar*.

Enrolment Requirements:

Previous:

Enrolment Requirements
Enrolment in the Program is limited. Admission will require:
(a.) completion of any Grade 12 U/M high school math course or equivalent (or successful completion of the UTSC Online Mathematics Preparedness Course or equivalent), and
(b.) completion of Grade 12 U/M high school biology or equivalent (or BIOA12H3 or equivalent), and
(c.) completion of a minimum of 4.0 credits, including 1.0 credit in Psychology, and
(d.) a cumulative GPA of at least 2.75, and
(e.) either: (1) a final grade of 75% or higher in both PSYA01H3 and PSYA02H3, or (2) a final grade of 64% or higher in both PSYA01H3 and PSYA02H3, and a final grade of 72% or higher in [PSYB07H3 or equivalent] and PSYB70H3.
Note: Co-op students who started in Co-op prior to Fall 2025 are allowed to follow the calendar requirements in effect at that time.

Prospective Co-op Students
Students who have not yet been admitted into a Co-op Degree POSt must submit a co-op program request through ACORN and ensure they meet the minimum enrollment requirements as noted above. These qualifications may include a higher CGPA specific to the co-op program.
Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in the student's application/request not being considered.
Please note that meeting the minimum qualifications does not guarantee enrolment in the Co-op Program of Study or Degree POSt. The required CGPA may be higher than the minimum threshold and depends on the applicant pool and number of spaces available.

Minimum Qualifications for Prospective Co-op Students:
Credits: Minimum of 4.0 credits to a maximum of 10.0 credits.
Required Courses: Program-specific courses described in the Enrolment Requirements above.
Cumulative GPA: 2.50

Current Co-op Students
Students admitted to a Co-op Degree POSt must also request a Co-op Program of Study through ACORN upon completion of 4.0 credits and meet the minimum qualifications for entry as noted below.

Minimum Qualifications for Current Co-op Students:
Credits: 4.0 credits
Required Courses: Program-specific courses described in the Enrolment Requirements above
Cumulative GPA: 2.50 or higher across all attempted courses.

New:

Enrolment Requirements
Enrolment in the Program is limited. Admission will require:
(a.) completion of any Grade 12 U/M high school math course or equivalent (or successful completion of the UTSC Online Mathematics Preparedness Course or equivalent), and
(b.) completion of Grade 12 U/M high school biology or equivalent (or BIOA12H3 or equivalent), and
(c.) completion of a minimum of 4.0 credits, including 1.0 credit in Psychology, and
(d.) a cumulative GPA of at least 2.75, and
(e.) either (1) a final grade of 75% or higher in both PSYA01H3 and PSYA02H3, or (2) a final grade of 64% or higher in both PSYA01H3 and PSYA02H3, and a final grade of 72% or higher in [PSYA06H3 or PSYB06H3 or (PSYB07H3) or equivalent] and PSYB70H3.
Note: Co-op students who started in Co-op prior to Fall 2025 are allowed to follow the calendar requirements in effect at that time.

Prospective Co-op Students
Students who have not yet been admitted into a Co-op Degree POSt must submit a co-op program request through ACORN and ensure they meet the minimum enrollment requirements as noted above. These qualifications may include a higher CGPA specific to the co-op program.
Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in the student's application/request not being considered.
Please note that meeting the minimum qualifications does not guarantee enrolment in the Co-op Program of Study or Degree POSt. The required CGPA may be higher than the minimum threshold and depends on the applicant pool and number of spaces available.

Minimum Qualifications for Prospective Co-op Students:
Credits: Minimum of 4.0 credits to a maximum of 10.0 credits.
Required Courses: Program-specific courses described in the Enrolment Requirements above.
Cumulative GPA: 2.50

Current Co-op Students
Students admitted to a Co-op Degree POSt must also request a Co-op Program of Study through ACORN upon completion of 4.0 credits and meet the minimum qualifications for entry as noted below.

Minimum Qualifications for Current Co-op Students:
Credits: 4.0 credits
Required Courses: Program-specific courses described in the Enrolment Requirements above

Cumulative GPA: 2.50 or higher across all attempted courses.

Description of Proposed Changes:

1. Enrollment Requirements: PSYB07 has been retired. PSYA06 and PSYB06 (new stats courses) added in its place for requirement (d.)(2.)
2. Program Requirements: The Overall number of credits required for the program has increased from 12.5 to 13.0
3. Requirement 3: Statistical Methods requirement has increased from 1.0 to 1.5 credits:
(a) PSYB07H3 and PSYC08H3/C09H3 have been retired and replaced with three new statistics courses: PSYA06H3, PSYB06H3, and PSYC06H3.
(b) Clarifying language has been added to encourage Department of Psychology students to select PSYA06 over other introductory statistics options at the university. Instructions for contacting the Program Administrator have been added for students joining the program after completing one of the retired statistics course options.
4. Removed long-retired (PSYC35) from program options.
5. Course title updates in requirement 10 for HLTB41H3, HLTC23H3, PHLB09H3, and PHLB18H3.

Rationale:

1/2. As part of a full revamp of the Statistics courses in the Department of Psychology, existing statistics courses PSYB07, PSYC08, and PSYC09 are being retired and replaced with three new courses: PSYA06, PSYB06, and PSYC06. Students in the Specialist programs will be required to take all three courses in this sequence. This impacts the program enrolment requirements as well as increases the program's overall credit value by 0.5, since students were previously required to take only two statistics courses.
3. The increase in the statistical requirement by 0.5 credits has been applied here
(a) Retired courses removed or added round brackets, and new statistics courses added
(b) PSYA06 will cover core introductory topics like descriptive statistics, probability, and hypothesis testing, making room in PSYB06 for deeper analysis, applied work, and skill development. Together, these courses will play a foundational role in preparing students for upper-year courses in Psychology, where more advanced data analysis techniques are introduced. To provide clarity during this period of transition, a note has been added instructing students to contact the Program Administrator if they've taken the retired PSYB07 course. Since PSYB07H3 is positioned somewhere between the new PSYA06 and PSYB06 in terms of content, there is no simple way to indicate how PSYB07H3 interacts with the new version of the program. Students who have taken the retired course can reach out to the Program Administrator for next steps. Namely, an exception will be made to allow PSYB07H3 in place of both PSYA06+B06; however, the student will be instructed to take an extra PSY course beyond their program requirements to make up the credit discrepancy. (I.e.) Since PSYB07H3 is 0.5 credits but PSYA06+B06 is 1.0 credits, students should take an extra PSY course of their choosing to account for the missing 0.5 PSY credit weight.
To provide clarity during this period of transition, a note has been added instructing students to contact the Program Administrator if they've taken the retired PSYB07 course. Since PSYB07 is positioned somewhere between the new PSYA06 and PSYB06 in terms of content, there is no simple way to indicate how PSYB07 interacts with the new version of the program. Students who have taken the retired course can reach out to the Program Administrator for next steps. Namely, an exception will be made to allow PSYB07 in place of both PSYA06+B06, however, the student will be instructed to take an extra PSY course beyond their program requirements to make up the credit discrepancy.
4. Course title updates in requirement 10 for HLTB41H3, HLTC23H3, PHLB09H3 and PHLB18H3 have been made to ensure accuracy throughout the calendar.

Impact:

None

Consultations:

DCC approved Oct 9, 2025
RO Approval (Lindsey T.): Oct 27, 2025
Department of Health and Society (Lee B. for Sean R): November 25, 2025
Department of Philosophy (Lee B. for Jason F.): November 25, 2025

Resource Implications:

None

Proposal Status:

Under Review

SCSPE1272C: SPECIALIST (CO-OPERATIVE) PROGRAM IN NEUROSCIENCE - Cellular/Molecular Stream (SCIENCE)

Completion Requirements:

Previous:

Academic Program Requirements
This program requires students to complete 6.5 credits in core courses that are common to all streams. Students will complete a further 7.0 credits, specific to the Cellular/Molecular stream, for a total of 13.5 credits.

CORE (6.5 credits)

1. Scientific Foundations (3.5 credits):
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms *or* CHMA12H3 Advanced General Chemistry]
[MATA29H3 Calculus I for the Life Sciences *or* MATA30H3 Calculus I for Physical Sciences]
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Neuroscience Foundations (3.0 credits):
BIOB10H3 Cell Biology
NROB60H3 Neuroanatomy Laboratory
NROB61H3 Neurophysiology
PSYB55H3 Introduction to Cognitive Neuroscience
[PSYB07H3 Data Analysis in Psychology *or* STAB22H3 Statistics I]
PSYB70H3 Methods in Psychological Science

CELLULAR/MOLECULAR STREAM (7.0 credits)

3. Quantitative Logic and Reasoning (1.0 credit):
PSYC08H3 Advanced Data Analysis in Psychology
and one of the following:
CSCA20H3 Introduction to Programming
[PHYA10H3 Physics I for the Physical Sciences *or* PHYA11H3 Physics I for the Life Sciences]

4. Advanced Foundations (2.5 credits):
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB12H3 Cell and Molecular Biology Laboratory
CHMB41H3 Organic Chemistry I
NROC36H3 Molecular Neuroscience
NROC69H3 Synaptic Organization & Physiology of the Brain

5. Stream-specific electives (1.0 credit):
two of the following:
BIOC12H3 Biochemistry I: Proteins & Enzymes
BIOC13H3 Biochemistry II: Bioenergetics & Metabolism
BIOC14H3 Genes, Environment and Behaviour
BIOC44H3/(NROC34H3) Neuroethology
CHMB42H3 Organic Chemistry II
NROC61H3 Learning and Motivation
NROC64H3 Sensorimotor Systems
PSYC62H3 Drugs and the Brain

6. Breadth in Neuroscience (1.0 credit):
two of the following:
BIOC44H3/(NROC34H3) Neuroethology*
NROC61H3 Learning and Motivation*
NROC64H3 Sensorimotor Systems*
PSYB51H3 Introduction to Perception
PSYC51H3 Cognitive Neuroscience of Vision
PSYC52H3 Cognitive Neuroscience of Attention
PSYC53H3 Cognitive Neuroscience of Memory
PSYC54H3 Auditory Cognitive Neuroscience
PSYC57H3 Cognitive Neuroscience of Decision Making
PSYC59H3 Cognitive Neuroscience of Language
**only if not used to complete component 5 of the requirements*

7. Laboratory Course (0.5 credit):
one of the following:
NROC60H3 Cellular Neuroscience Laboratory *(recommended)*
NROC63H3 Behavioural Neuroscience Laboratory
NROC90H3 Supervised Study in Neuroscience
NROC93H3 Supervised Study in Neuroscience

8. Capstone Courses (1.0 credit):
two of the following:
BIOD06H3 Advanced Topics in Neural Basis of Motor Control
BIOD07H3 Advanced Topics and Methods in Neural Circuit Analysis
BIOD08H3/(NROD08H3) Theoretical Neuroscience
BIOD65H3 Pathologies of the Nervous System
NROD60H3 Current Topics in Neuroscience
NROD61H3 Emotional Learning Circuits
NROD66H3 Drug Addiction
NROD67H3 Neuroscience of Aging
NROD98Y3 Thesis in Neuroscience*
PSYD66H3 Current Topics in Human Brain & Behaviour
**Note: only 0.5 credit of NROD98Y3 can be counted towards the Capstone course requirement*

Planning Your Co-op Work Terms & Academics
Enrollment in a Co-op program requires careful planning of both academics and work terms. Students should consult their Co-op Program Coordinator and Academic Program Advisors, as well as review the standard co-op sequences and course maps available on the Arts & Science Co-op website and Arts and Science Co-op Compass for guidance.

Co-op Work Term Requirements
Students must successfully complete three Co-op work terms, totaling 12 months in duration, which can be fulfilled through the following options:

- Three 4-month work terms, *or*
- One 4-month work term and one 8-month work term, *or*
- One 12-month work term.

Students must be available for work terms during the Fall, Winter, and Summer semesters and are required to complete at least one of their work terms in either the Fall or Winter semester. As a result, students must also take courses during the Summer semesters.

To be eligible for their first work term, students must be enrolled in the program, have completed at least 7.0 credits, and maintain a CGPA of 2.50 or higher. It is recommended that PSYB07H3, PSYB70H3, NROB60H3, at least one of [BIOB10H3, BIOB11H3], and at least one of [NROB61H3, PSYB55H3] be completed before the first work term. Any of these courses that are not completed prior to the first work term are recommended to be completed before the second work term. The following additional courses are recommended to be completed before the second work term for the Cellular/Molecular stream: BIOB12H3, CHMB41H3, and CHMB42H3. In addition to their academic courses, students must also complete the required Co-op preparation courses.

Co-op Course Requirements
Co-op students complete the following Co-op-specific courses as part of their degree:

Co-op Preparation Courses (Completed in First Year):

- **COPB50H3**
- **COPB54H3/(COPB51H3)**

Work Term Search Courses:

- **COPB55H3/(COPB52H3)** (Completed in the semester prior to the first work term)
- **COPC98H3** (Taken in the semester prior to the second work term)
- **COPC99H3** (Taken in the semester prior to the third work term)

Required Work Term Courses:

- **COPC01H3** (First work term)
- **COPC02H3** (Second work term)
- **COPC03H3** (Third work term)

Additional Work Terms & Courses:
After successful completion of the three required work terms, students interested in additional work terms will require approval from the Arts & Science Co-op Office. Additional coursework will also be required:

- **COPC04H3** (Fourth work term)
- **COPC05H3** (Fifth work term)

Note: Co-op courses are taken alongside a full course load and are recorded on transcripts as Credit/No Credit (CR/NCR). These courses have no credit weight and are considered additional credits beyond the 20.0 required degree credits. No additional course fee is charged, as registration is included in the Co-op Program fee.

For information on course codes, fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar.*

New:

Academic Program Requirements
This program requires students to complete 7.0 credits in core courses that are common to all streams. Students will complete a further 7.0 credits, specific to the Cellular/Molecular stream, for a total of 14.0 credits.

CORE (7.0 credits)

1. Scientific Foundations (4.0 credits):
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms *or* CHMA12H3 Advanced General Chemistry]
[MATA29H3 Calculus I for the Life Sciences *or* MATA30H3 Calculus I for Physical Sciences]
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology
and
0.5 credit from the following:
PSYA06H3 Introduction to Data Analysis for Scientific Literacy*
STAB22H3 Statistics I
STAB23H3 Introduction to Statistics for the Social Sciences

Notes:
*1. Department of Psychology students are strongly encouraged to choose the PSYA06H3 course option.
2. For students who have completed the retired (PSYB07H3) course, please contact the Undergraduate Program Administrator for guidance.

2. Neuroscience Foundations (3.0 credits):
BIOB10H3 Cell Biology
NROB60H3 Neuroanatomy Laboratory
NROB61H3 Neurophysiology
PSYB06H3 Applied Statistical Analysis for Psychology & Neuroscience
PSYB55H3 Introduction to Cognitive Neuroscience
PSYB70H3 Methods in Psychological Science

CELLULAR/MOLECULAR STREAM (7.0 credits)

3. Quantitative Logic and Reasoning (1.0 credit):
0.5 credit from the following:
PSYC06H3 Advanced Statistical Analysis for Psychology & Neuroscience
(PSYC08H3) Advanced Data Analysis in Psychology
(PSYC09H3) Applied Multiple Regression in Psychology
and
0.5 credit from the following:
CSCA20H3 Introduction to Programming
PHYA10H3 Physics I for the Physical Sciences
PHYA11H3 Physics I for the Life Sciences

4. Advanced Foundations (2.5 credits):
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB12H3 Cell and Molecular Biology Laboratory
CHMB41H3 Organic Chemistry I
NROC36H3 Molecular Neuroscience
NROC69H3 Synaptic Organization & Physiology of the Brain

5. Stream-specific electives (1.0 credit):
1.0 credit from the following:
BIOC12H3 Biochemistry I: Proteins & Enzymes
BIOC13H3 Biochemistry II: Bioenergetics & Metabolism
BIOC14H3 Genes, Environment and Behaviour
BIOC44H3/(NROC34H3) Neuroethology
CHMB42H3 Organic Chemistry II
NROC61H3 Learning and Motivation
NROC64H3 Sensorimotor Systems
PSYC62H3 Drugs and the Brain

6. Breadth in Neuroscience (1.0 credit):
1.0 credit from the following:
BIOC44H3/(NROC34H3) Neuroethology*
NROC61H3 Learning and Motivation*
NROC64H3 Sensorimotor Systems*
PSYB51H3 Introduction to Perception
PSYC51H3 Cognitive Neuroscience of Vision
PSYC52H3 Cognitive Neuroscience of Attention
PSYC53H3 Cognitive Neuroscience of Memory
PSYC54H3 Auditory Cognitive Neuroscience
PSYC57H3 Cognitive Neuroscience of Decision Making
PSYC59H3 Cognitive Neuroscience of Language

*Note: only if not used to complete component 5 of the requirements

7. Laboratory Course (0.5 credit):
0.5 credit from the following:
NROC60H3 Cellular Neuroscience Laboratory *(recommended)*
NROC63H3 Behavioural Neuroscience Laboratory
NROC90H3 Supervised Study in Neuroscience
NROC93H3 Supervised Study in Neuroscience

8. Capstone Courses (1.0 credit):
1.0 credit from the following, of which at least 0.5 credit must be from BIO or NRO:
BIOD06H3 Advanced Topics in Neural Basis of Motor Control
BIOD07H3 Advanced Topics and Methods in Neural Circuit Analysis
BIOD08H3/(NROD08H3) Theoretical Neuroscience
BIOD65H3 Pathologies of the Nervous System
NROD60H3 Current Topics in Neuroscience
NROD61H3 Emotional Learning Circuits
(NROD66H3) Drug Addiction
NROD67H3 Neuroscience of Aging

NROD98Y3 Thesis in Neuroscience*
PSYD12H3 Me and I: The Self in Mind and Brain
PSYD51H3 Current Topics in Perception
PSYD54H3 Current Topics in Visual Recognition
PSYD62H3 Neuroscience of Pleasure and Reward
PSYD66H3 Current Topics in Human Brain & Behaviour

*Note: only 0.5 credit of NROD98Y3 can be counted towards the Capstone course requirement

Planning Your Co-op Work Terms & Academics
Enrollment in a Co-op program requires careful planning of both academics and work terms. Students should consult their Co-op Program Coordinator and Academic Program Advisors, as well as review the standard co-op sequences and course maps available on the Arts & Science Co-op website and Arts and Science Co-op Compass for guidance.

Co-op Work Term Requirements
Students must successfully complete three Co-op work terms, totaling 12 months in duration, which can be fulfilled through the following options:

- Three 4-month work terms, *or*
- One 4-month work term and one 8-month work term, *or*
- One 12-month work term.

Students must be available for work terms during the Fall, Winter, and Summer semesters and are required to complete at least one of their work terms in either the Fall or Winter semester. As a result, students must also take courses during the Summer semesters.

To be eligible for their first work term, students must be enrolled in the program, have completed at least 7.0 credits, and maintain a CGPA of 2.50 or higher. It is recommended that PSYA06H3, PSYB70H3, NROB60H3, at least one of [BIOB10H3, BIOB11H3], and at least one of [NROB61H3, PSYB55H3] be completed before the first work term. Any of these courses that are not completed prior to the first work term are recommended to be completed before the second work term. The following additional courses are recommended to be completed before the second work term for the Cellular/Molecular stream: PSYB06H3, BIOB12H3, CHMB41H3, and CHMB42H3. In addition to their academic courses, students must also complete the required Co-op preparation courses.

Co-op Course Requirements
Co-op students complete the following Co-op-specific courses as part of their degree:

Co-op Preparation Courses (Completed in First Year):

- **COPB50H3**
- **COPB54H3/(COPB51H3)**

Work Term Search Courses:

- **COPB55H3/(COPB52H3)** (Completed in the semester prior to the first work term)
- **COPC98H3** (Taken in the semester prior to the second work term)
- **COPC99H3** (Taken in the semester prior to the third work term)

Required Work Term Courses:

- **COPC01H3** (First work term)
- **COPC02H3** (Second work term)
- **COPC03H3** (Third work term)

Additional Work Terms & Courses:
After successful completion of the three required work terms, students interested in additional work terms will require approval from the Arts & Science Co-op Office. Additional coursework will also be required:

- **COPC04H3** (Fourth work term)
- **COPC05H3** (Fifth work term)

Note: Co-op courses are taken alongside a full course load and are recorded on transcripts as Credit/No Credit (CR/NCR). These courses have no credit weight and are considered additional credits beyond the 20.0 required degree credits. No additional course fee is charged, as registration is included in the Co-op Program fee.

For information on course codes, fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar.*

Enrolment Requirements:

Previous:

Enrollment Requirements
Enrolment in the Program is limited. The admission requirements may change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enrol in backup programs.
Note: Co-op students who started in Co-op prior to Fall 2025 are allowed to follow the calendar requirements in effect at that time.

Enrolment takes place in two stages:

Stage 1:
The minimum requirements to be considered for admission are:

1. Completion of 4.0 credits, including BIOA01H3, BIOA02H3, CHMA10H3, [CHMA11H3 or CHMA12H3], PSYA01H3, and PSYA02H3

2. A CGPA of 2.75 or higher.

Students will typically apply to Stage 1 at the end of their first year of study. **When applying, note that the Subject POSt code for Stage 1 Co-op is SCSPE1072C.** Application for admission will be made to the Office of the Registrar through ACORN, during the Limited Program application periods. For more information on applying to limited enrolment programs, please visit the Office of the Registrar website.

Stage 2:
To complete the program, students must choose one of the three available "Stage 2" streams: the Cognitive Stream, the Cellular/Molecular Stream, or the Systems/Behavioural Stream. Students will typically apply to Stage 2 at the end of their second year of study.

The minimum requirements to be considered for stream admission are:

1. Completion of 10.0 credits including: all Stage 1 course requirements, [MATA29H3 or MATA30H3], and all *Neuroscience Foundations* courses: BIOB10H3, NROB60H3, NROB61H3, [PSYB07H3 or STAB22H3], PSYB55H3, PSYB70H3

2. Completion of 1.0 credit in *Stream Foundations* courses from the following list*:
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
CSCA20H3 Introduction to Programming
CHMB41H3 Organic Chemistry I
CHMB42H3 Organic Chemistry II
MATA23H3 Linear Algebra
[PHYA10H3 Physics I for the Physical Sciences or PHYA11H3 Physics I for the Life Sciences]
PSYB51H3 Introduction to Perception
PSYC08H3 Advanced Data Analysis in Psychology
PSYC09H3 Applied Multiple Regression in Psychology

**Note: Students are advised to exercise caution when selecting these courses since some can be applied to all three streams (BIOB11H3, CHMB41H3, PSYB51H3, PSYC08H3), but others can be applied to only one or two streams.*

3. A CGPA of 2.5 or higher.

Prospective Co-op Students
Students who have not yet been admitted into a Co-op Degree POSt must submit a co-op program request through ACORN and ensure they meet the minimum enrollment requirements as noted above. These qualifications may include a higher CGPA specific to the co-op program.
Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in the student's application/request not being considered.
Please note that meeting the minimum qualifications does not guarantee enrolment in the Co-op Program of Study or Degree POSt. The required CGPA may be higher than the minimum threshold and depends on the applicant pool and number of spaces available.

Minimum Qualifications for Prospective Co-op Students:
Credits: Minimum of 4.0 credits to a maximum of 10.0 credits.
Required Courses: Program-specific courses described in the Enrolment Requirements above.
Cumulative GPA: 2.50

Current Co-op Students
Students admitted to a Co-op Degree POSt must also request a Co-op Program of Study through ACORN upon completion of 4.0 credits and meet the minimum qualifications for entry as noted below.

Minimum Qualifications for Current Co-op Students:
Credits: 4.0 credits
Required Courses: Program-specific courses described in the Enrolment Requirements above
Cumulative GPA: 2.50 or higher across all attempted courses.

Note: Co-op students who started in Co-op prior to Fall 2025 are allowed to follow the calendar requirements in effect at that time.

New:

Enrolment Requirements
Enrolment in the Program is limited. The admission requirements may change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enrol in backup programs.
Note: Co-op students who started in Co-op prior to Fall 2025 are allowed to follow the calendar requirements in effect at that time.

Enrolment takes place in two stages:

Stage 1:
The minimum requirements to be considered for admission are:

1. Completion of 4.0 credits, including BIOA01H3, BIOA02H3, CHMA10H3, [CHMA11H3 or CHMA12H3], PSYA01H3, PSYA02H3, and [PSYA06H3 or STAB22H3 or STAB23H3]

2. A CGPA of 2.75 or higher.

Students will typically apply to Stage 1 at the end of their first year of study. **When applying, note that the Subject POSt code for Stage 1 Co-op is SCSPE1072C.** Application for admission will be made to the Office of the Registrar through ACORN, during the Limited Program application periods. For more information on applying to limited enrolment programs, please visit the Office of the Registrar website.

Stage 2:
To complete the program, students must choose one of the three available "Stage 2" streams: the Cognitive Stream, the Cellular/Molecular Stream, or the Systems/Behavioural Stream. Students will typically apply to Stage 2 at the end of their second year of study.

The minimum requirements to be considered for stream admission are:

1. Completion of 10.0 credits including: all Stage 1 course requirements, and all of: BIOB10H3, [MATA29H3 or MATA30H3], NROB60H3, NROB61H3, [PSYB06H3 or (PSYB07H3) or STAB22H3*], PSYB55H3, and PSYB70H3

*Note: Beginning in Fall 2027, STAB22H3 no longer be accepted toward the statistics requirement for Stage 2. If you are intending to join the Neuroscience Specialist in Fall 2027 or beyond, please plan accordingly and complete PSYB06H3.

2. Completion of 1.0 credit in *Stream Foundations* courses from the following list*:
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
CSCA20H3 Introduction to Programming
CHMB41H3 Organic Chemistry I
CHMB42H3 Organic Chemistry II
MATA23H3 Linear Algebra
[PHYA10H3 Physics I for the Physical Sciences or PHYA11H3 Physics I for the Life Sciences]
PSYB51H3 Introduction to Perception
PSYC06H3 Advanced Statistical Analysis for Psychology & Neuroscience
(PSYC08H3) Advanced Data Analysis in Psychology
(PSYC09H3) Applied Multiple Regression in Psychology

*Note: Students are advised to exercise caution when selecting these courses since some can be applied to all three streams (BIOB11H3, CHMB41H3, PSYB51H3, PSYC06H3), but others can be applied to only one or two streams.

3. A CGPA of 2.5 or higher.

Prospective Co-op Students
Students who have not yet been admitted into a Co-op Degree POSt must submit a co-op program request through ACORN and ensure they meet the minimum enrollment requirements as noted above. These qualifications may include a higher CGPA specific to the co-op program.
Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in the student's application/request not being considered.
Please note that meeting the minimum qualifications does not guarantee enrolment in the Co-op Program of Study or Degree POSt. The required CGPA may be higher than the minimum threshold and depends on the applicant pool and number of spaces available.

Minimum Qualifications for Prospective Co-op Students:
Credits: Minimum of 4.0 credits to a maximum of 10.0 credits.
Required Courses: Program-specific courses described in the Enrolment Requirements above.
Cumulative GPA: 2.50

Current Co-op Students
Students admitted to a Co-op Degree POSt must also request a Co-op Program of Study through ACORN upon completion of 4.0 credits and meet the minimum qualifications for entry as noted below.

Minimum Qualifications for Current Co-op Students:
Credits: 4.0 credits
Required Courses: Program-specific courses described in the Enrolment Requirements above
Cumulative GPA: 2.50 or higher across all attempted courses.

Description of Proposed Changes:

1. Enrollment requirements: PSYA06/STAB22/STAB23 added as an enrollment requirement in Stage1. Retired PSYB07 removed from Stage 2 enrollment requirements; new PSYB06 course added. Also added PYC06H3 and placed round brackets on retired PSYC08H3 and PSYC09H3. Lastly, added note about STAB22H3 future update
2. Program requirements: Overall number of credits increased from 13.5 to 14.0 credits
3. Requirement 1: Increased credit requirement by 0.5 credits.
(a) PSYA06/STAB22/STAB23 added to Scientific Foundations requirement
(b) Clarifying language has been added to encourage Department of Psychology students to select PSYA06 over other introductory statistics options at the university. Instructions to contact the Program Administrator have been added for students who are joining the program after previously completing one of the retired statistics course options.
4. Requirement 2: Retired (PSYB07) removed and replaced with PSYB06 in Neuroscience Foundations
5. Requirement 3: Retirement of (PSYC08) and (PSYC09) noted, and replaced with PSYC06 in Quantitative Logic and Reasoning
6. Requirement 8: New course PSYD12 added to Capstone Courses; Retirement of NROD66 noted; Existing courses PSYD51, PSYD54, PSYD62 added to Capstone Courses

Rationale:

1. The department has added the new PSYA06 (or equivalent) course to the enrollment requirements for Neuroscience, because taking this course in the first year is critical for progression through the program promptly. PSYB06 has been added as a requirement for Stage 2, which will keep students on track for their upper-year NRO courses. For a period of one year, the department will continue to allow STAB22H3 toward the Stage 2 requirements, to account for students joining the program in Fall 2026 who will not yet have had a chance to take PSYB06. Finally, the retirement of PSYC08 and PSYC09 has been indicated, and replaced with the new course PSYC06.
2. As part of a full revamp of the Statistics courses in the Department of Psychology, existing statistics courses PSYB07, PSYC08, and PSYC09 are being retired, and replaced with three new courses: PSYA06, PSYB06, and PSYC06. Students in our Specialist programs will be required to take all three courses in this new sequence. This increases the overall credit value of the program by 0.5, since students were previously only required to take two statistics courses. Together, these three courses will better prepare students in the skills needed to conduct neuroscience and psychology research.
3. Program Requirements: the increase in statistics 0.5 credits has been applied here
(a) The required statistics course options have been added
(b) To provide clarity during this period of transition, a note has been added instructing students to contact the Program Administrator if they've taken the retired PSYB07 course. Since PSYB07 is positioned somewhere between the new PSYA06 and PSYB06 in terms of content, there is no simple way to indicate how PSYB07 interacts with the new version of the program. Students who have taken the retired course can reach out to the Program Administrator for next steps. Namely, an exception will be made to allow PSYB07 in place of both PSYA06+B06, however, the student will be instructed to take an extra PSY course beyond their program requirements to make up the credit discrepancy.
4./5. Noted the retirement of PSYB07/C08/c09 and added the new courses as follows: PSYB06 to Neuroscience Foundations, and PSYC06 to Quantitative and Methodological Skills to ensure consistency throughout the calendar
6. Capstone options have been updated to include the new course PSYD12. The content of PSYD12 is based on material that Prof. Thiruchselvam has taught under the PSYD66 (Current Topics in Human Brain and Behaviour) umbrella for the past 4 years, and is appropriate for Neuroscience students. PSYD51H3, PSYD62H3 and PSYD54H3 are also being included to give students more options. These courses are based in cognitive neuroscience, and are relevant to students in the Neuroscience Specialist program. A clarification has been added to require that one of the capstone courses must come from BIO or NRO to ensure students complete at least one capstone course that leans toward the more biological/animal model side of the neuroscience spectrum.

Impact:

None

Consultations:

DCC Approval: Oct 9, 2025
Department of Biological Sciences [Shelley Brunt, Jen Campbell]: Oct 20, 2025
RO Approval (Lindsey T.): Nov 4, 2025

Resource Implications:

None

Proposal Status:

Under Review

SCSPE1172C: SPECIALIST (CO-OPERATIVE) PROGRAM IN NEUROSCIENCE - Cognitive Stream (SCIENCE)

Completion Requirements:

Previous:

Academic Program Requirements
This program requires students to complete 6.5 credits in core courses that are common to all streams. Students will complete a further 7.0 credits, specific to the Cognitive stream, for a total of 13.5 credits.

CORE (6.5 credits)

1. Scientific Foundations (3.5 credits):
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms *or* CHMA12H3 Advanced General Chemistry]
[MATA29H3 Calculus I for the Life Sciences *or* MATA30H3 Calculus I for Physical Sciences]
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Neuroscience Foundations (3.0 credits):
BIOB10H3 Cell Biology
NROB60H3 Neuroanatomy Laboratory

NROB61H3 Neurophysiology
PSYB55H3 Introduction to Cognitive Neuroscience
[PSYB07H3 Data Analysis in Psychology *or* STAB22H3 Statistics I]
PSYB70H3 Methods in Psychological Science

COGNITIVE STREAM (7.0 credits)

3. Quantitative and Methodological Skills (1.5 credits):
PSYC02H3 Scientific Communication in Psychology
PSYC70H3 Advanced Research Methods Laboratory
[PSYC08H3 Advanced Data Analysis in Psychology *or* PSYC09H3 Applied Multiple Regression in Psychology]

4. Advanced Programming (1.5 credits):
MATA23H3 Linear Algebra
[[CSCA08H3 Introduction to Computer Science I *and* CSCA48H3 Introduction to Computer Science II]* *or* [PSYB03H3 Introduction to Computers in Psychological Research *and* PSYC03H3 Introduction to Computers in Psychological Research: Advanced Topics]]
**Note: students are strongly advised to choose the [PSYB03H3 and PSYC03H3] pairing.*

5. Advanced Foundations (1.5 credits):
PSYB51H3 Introduction to Perception
and two of the following:
PSYC51H3 Cognitive Neuroscience of Vision
PSYC52H3 Cognitive Neuroscience of Attention
PSYC53H3 Cognitive Neuroscience of Memory
PSYC54H3 Auditory Cognitive Neuroscience
PSYC57H3 Cognitive Neuroscience of Decision Making
PSYC59H3 Cognitive Neuroscience of Language

6. Breadth in Neuroscience (1.0 credit):
two of the following (at least 0.5 credit must be at the C-level):
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOC44H3/(NROC34H3) Neuroethology
CHMB41H3 Organic Chemistry I
NROC36H3 Molecular Neuroscience
NROC61H3 Learning and Motivation
NROC64H3 Sensorimotor Systems
NROC69H3 Synaptic Organization & Physiology of the Brain

7. Laboratory Course (0.5 credit):
one of the following:
NROC90H3 Supervised Study in Neuroscience
NROC93H3 Supervised Study in Neuroscience
PSYC75H3 Cognitive Psychology Laboratory
PSYC76H3 Brain Imaging Laboratory

8. Capstone Courses (1.0 credit):
two of the following:
PSYD17H3 Social Neuroscience
PSYD50H3 Current Topics in Memory and Cognition
PSYD51H3 Current Topics in Perception
PSYD54H3 Current Topics in Visual Recognition
PSYD55H3 Functional Magnetic Resonance Imaging Laboratory
PSYD62H3 Neuroscience of Pleasure and Reward
PSYD66H3 Current Topics in Human Brain & Behaviour
NROD98Y3 Thesis in Neuroscience*
**Note: only 0.5 credit of NROD98Y3 can be counted towards the Capstone course requirement*

Planning Your Co-op Work Terms & Academics
Enrollment in a Co-op program requires careful planning of both academics and work terms. Students should consult their Co-op Program Coordinator and Academic Program Advisors, as well as review the standard co-op sequences and course maps available on the Arts & Science Co-op website and Arts and Science Co-op Compass for guidance.

Co-op Work Term Requirements
Students must successfully complete three Co-op work terms, totaling 12 months in duration, which can be fulfilled through the following options:

- Three 4-month work terms, *or*
- One 4-month work term and one 8-month work term, *or*
- One 12-month work term.

Students must be available for work terms during the Fall, Winter, and Summer semesters and are required to complete at least one of their work terms in either the Fall or Winter semester. As a result, students must also take courses during the Summer semesters.

To be eligible for their first work term, students must be enrolled in the program, have completed at least 7.0 credits, and maintain a CGPA of 2.50 or higher. It is recommended that PSYB07H3, PSYB70H3, NROB60H3, at least one of [BIOB10H3, BIOB11H3], and at least one of [NROB61H3, PSYB55H3] be

completed before the first work term. Any of these courses that are not completed prior to the first work term are recommended to be completed before the second work term. The following additional courses are recommended to be completed before the second work term for the Cognitive stream: PSYC02H3, [PSYC08H3 *or* PSYC09H3], and PSYC70H3. In addition to their academic courses, students must also complete the required Co-op preparation courses.

Co-op Course Requirements
Co-op students complete the following Co-op-specific courses as part of their degree:

Co-op Preparation Courses (Completed in First Year):

- **COPB50H3**
- **COPB54H3**/**(COPB51H3)**

Work Term Search Courses:

- **COPB55H3**/**(COPB52H3)** (Completed in the semester prior to the first work term)
- **COPC98H3** (Taken in the semester prior to the second work term)
- **COPC99H3** (Taken in the semester prior to the third work term)

Required Work Term Courses:

- **COPC01H3** (First work term)
- **COPC02H3** (Second work term)
- **COPC03H3** (Third work term)

Additional Work Terms & Courses:
After successful completion of the three required work terms, students interested in additional work terms will require approval from the Arts & Science Co-op Office. Additional coursework will also be required:

- **COPC04H3** (Fourth work term)
- **COPC05H3** (Fifth work term)

Note: Co-op courses are taken alongside a full course load and are recorded on transcripts as Credit/No Credit (CR/NCR). These courses have no credit weight and are considered additional credits beyond the 20.0 required degree credits. No additional course fee is charged, as registration is included in the Co-op Program fee.

For information on course codes, fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar.*

New:

Academic Program Requirements
This program requires students to complete 7.0 credits in core courses that are common to all streams. Students will complete a further 7.0 credits, specific to the Cognitive stream, for a total of 14.0 credits.

CORE (7.0 credits)

1. Scientific Foundations (4.0 credits):
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms *or* CHMA12H3 Advanced General Chemistry]
[MATA29H3 Calculus I for the Life Sciences *or* MATA30H3 Calculus I for Physical Sciences]
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology
and
0.5 credit from the following:
PSYA06H3 Introduction to Data Analysis for Scientific Literacy*
STAB22H3 Statistics I
STAB23H3 Introduction to Statistics for the Social Sciences

Notes:
*1. Department of Psychology students are strongly encouraged to choose the PSYA06H3 course option.
2. For students who have completed the retired (PSYB07H3) course, please contact the Undergraduate Program Administrator for guidance.

2. Neuroscience Foundations (3.0 credits):
BIOB10H3 Cell Biology

NROB60H3 Neuroanatomy Laboratory
NROB61H3 Neurophysiology
PSYB06H3 Applied Statistical Analysis for Psychology & Neuroscience
PSYB55H3 Introduction to Cognitive Neuroscience
PSYB70H3 Methods in Psychological Science

COGNITIVE STREAM (7.0 credits)

3. Quantitative and Methodological Skills (1.5 credits):
PSYC02H3 Scientific Communication in Psychology
PSYC70H3 Advanced Research Methods Laboratory
and
0.5 credit from the following:
PSYC06H3 Advanced Statistical Analysis for Psychology & Neuroscience
(PSYC08H3) Advanced Data Analysis in Psychology
(PSYC09H3) Applied Multiple Regression in Psychology

4. Advanced Programming (1.5 credits):
MATA23H3 Linear Algebra
PSYB03H3 Introduction to Computers in Psychological Research
PSYC03H3 Introduction to Computers in Psychological Research: Advanced Topics

5. Advanced Foundations (1.5 credits):
PSYB51H3 Introduction to Perception
and
1.0 credit from the following:
PSYC51H3 Cognitive Neuroscience of Vision
PSYC52H3 Cognitive Neuroscience of Attention
PSYC53H3 Cognitive Neuroscience of Memory
PSYC54H3 Auditory Cognitive Neuroscience
PSYC57H3 Cognitive Neuroscience of Decision Making
PSYC59H3 Cognitive Neuroscience of Language

6. Breadth in Neuroscience (1.0 credit):
1.0 credit from the following (at least 0.5 credit must be at the C-level):
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOC44H3/(NROC34H3) Neuroethology
CHMB41H3 Organic Chemistry I
NROC36H3 Molecular Neuroscience
NROC61H3 Learning and Motivation
NROC64H3 Sensorimotor Systems
NROC69H3 Synaptic Organization & Physiology of the Brain

7. Laboratory Course (0.5 credit):
0.5 credit from the following:
NROC90H3 Supervised Study in Neuroscience
NROC93H3 Supervised Study in Neuroscience
PSYC75H3 Cognitive Psychology Laboratory
PSYC76H3 Brain Imaging Laboratory

8. Capstone Courses (1.0 credit):
1.0 credit from the following:
PSYD12H3 Me and I: The Self in Mind and Brain
PSYD17H3 Social Neuroscience
PSYD50H3 Current Topics in Memory and Cognition
PSYD51H3 Current Topics in Perception
PSYD54H3 Current Topics in Visual Recognition
PSYD55H3 Functional Magnetic Resonance Imaging Laboratory
PSYD62H3 Neuroscience of Pleasure and Reward
PSYD66H3 Current Topics in Human Brain & Behaviour
NROD98Y3 Thesis in Neuroscience*
*Note: only 0.5 credit of NROD98Y3 can be counted towards the Capstone course requirement

Planning Your Co-op Work Terms & Academics
Enrollment in a Co-op program requires careful planning of both academics and work terms. Students should consult their Co-op Program Coordinator and Academic Program Advisors, as well as review the standard co-op sequences and course maps available on the Arts & Science Co-op website and Arts and Science Co-op Compass for guidance.

Co-op Work Term Requirements
Students must successfully complete three Co-op work terms, totaling 12 months in duration, which can be fulfilled through the following options:

- Three 4-month work terms, *or*
- One 4-month work term and one 8-month work term, *or*
- One 12-month work term.

Students must be available for work terms during the Fall, Winter, and Summer semesters and are required to complete at least one of their work terms in either the Fall or Winter semester. As a result, students must also take courses during the Summer semesters.

To be eligible for their first work term, students must be enrolled in the program, have completed at least 7.0 credits, and maintain a CGPA of 2.50 or higher. It is recommended that PSYA06H3, PSYB70H3, NROB60H3, at least one of [BIOB10H3, BIOB11H3], and at least one of [NROB61H3, PSYB55H3] be completed before the first work term. Any of these courses that are not completed prior to the first work term are recommended to be completed before the second work term. The following additional courses are recommended to be completed before the second work term for the Cognitive stream: PSYB06H3, PSYC02H3, and PSYC70H3. In addition to their academic courses, students must also complete the required Co-op preparation courses.

Co-op Course Requirements
Co-op students complete the following Co-op-specific courses as part of their degree:

Co-op Preparation Courses (Completed in First Year):

- **COPB50H3**
- **COPB54H3/(COPB51H3)**

Work Term Search Courses:

- **COPB55H3/(COPB52H3)** (Completed in the semester prior to the first work term)
- **COPC98H3** (Taken in the semester prior to the second work term)
- **COPC99H3** (Taken in the semester prior to the third work term)

Required Work Term Courses:

- **COPC01H3** (First work term)
- **COPC02H3** (Second work term)
- **COPC03H3** (Third work term)

Additional Work Terms & Courses:
After successful completion of the three required work terms, students interested in additional work terms will require approval from the Arts & Science Co-op Office. Additional coursework will also be required:

- **COPC04H3** (Fourth work term)
- **COPC05H3** (Fifth work term)

Note: Co-op courses are taken alongside a full course load and are recorded on transcripts as Credit/No Credit (CR/NCR). These courses have no credit weight and are considered additional credits beyond the 20.0 required degree credits. No additional course fee is charged, as registration is included in the Co-op Program fee.

For information on course codes, fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar.*

Enrolment Requirements:

Previous:

Enrolment Requirements
Enrolment in the Program is limited. The admission requirements may change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enrol in backup programs.
Note: Co-op students who started in Co-op prior to Fall 2025 are allowed to follow the calendar requirements in effect at that time.

Enrolment takes place in two stages:

Stage 1:
The minimum requirements to be considered for admission are:

1. Completion of 4.0 credits, including BIOA01H3, BIOA02H3, CHMA10H3, [CHMA11H3 or CHMA12H3], PSYA01H3, and PSYA02H3

2. A CGPA of 2.75 or higher.

Students will typically apply to Stage 1 at the end of their first year of study. **When applying, note that the Subject POSt code for Stage 1 Co-op is SCSPE1072C.** Application for admission will be made to the Office of the Registrar through ACORN, during the Limited Program application periods. For more information on applying to limited enrolment programs, please visit the Office of the Registrar website.

Stage 2:
To complete the program, students must choose one of the three available "Stage 2" streams: the Cognitive Stream, the Cellular/Molecular Stream, or the Systems/Behavioural Stream. Students will typically apply to Stage 2 at the end of their second year of study.

The minimum requirements to be considered for stream admission are:

1. Completion of 10.0 credits including: all Stage 1 course requirements, [MATA29H3 or MATA30H3], and all *Neuroscience Foundations* courses: BIOB10H3, NROB60H3, NROB61H3, [PSYB07H3 or STAB22H3], PSYB55H3, PSYB70H3

2. Completion of 1.0 credit in *Stream Foundations* courses from the following list*:
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
CSCA20H3 Introduction to Programming
CHMB41H3 Organic Chemistry I
CHMB42H3 Organic Chemistry II
MATA23H3 Linear Algebra
[PHYA10H3 Physics I for the Physical Sciences or PHYA11H3 Physics I for the Life Sciences]
PSYB51H3 Introduction to Perception
PSYC08H3 Advanced Data Analysis in Psychology
PSYC09H3 Applied Multiple Regression in Psychology

**Note: Students are advised to exercise caution when selecting these courses since some can be applied to all three streams (BIOB11H3, CHMB41H3, PSYB51H3, PSYC08H3), but others can be applied to only one or two streams.*

3. A CGPA of 2.5 or higher.

Prospective Co-op Students
Students who have not yet been admitted into a Co-op Degree POSt must submit a co-op program request through ACORN and ensure they meet the minimum enrollment requirements as noted above. These qualifications may include a higher CGPA specific to the co-op program.
Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in the student's application/request not being considered.
Please note that meeting the minimum qualifications does not guarantee enrolment in the Co-op Program of Study or Degree POSt. The required CGPA may be higher than the minimum threshold and depends on the applicant pool and number of spaces available.

Minimum Qualifications for Prospective Co-op Students:
Credits: Minimum of 4.0 credits to a maximum of 10.0 credits.
Required Courses: Program-specific courses described in the Enrolment Requirements above.
Cumulative GPA: 2.50

Current Co-op Students
Students admitted to a Co-op Degree POSt must also request a Co-op Program of Study through ACORN upon completion of 4.0 credits and meet the minimum qualifications for entry as noted below.

Minimum Qualifications for Current Co-op Students:
Credits: 4.0 credits
Required Courses: Program-specific courses described in the Enrolment Requirements above
Cumulative GPA: 2.50 or higher across all attempted courses.

New:

Enrolment Requirements
Enrolment in the Program is limited. The admission requirements may change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enrol in backup programs.
Note: Co-op students who started in Co-op prior to Fall 2025 are allowed to follow the calendar requirements in effect at that time.

Enrolment takes place in two stages:

Stage 1:
The minimum requirements to be considered for admission are:

1. Completion of 4.0 credits, including BIOA01H3, BIOA02H3, CHMA10H3, [CHMA11H3 or CHMA12H3], PSYA01H3, PSYA02H3, and [PSYA06H3 or STAB22H3 or STAB23H3]

2. A CGPA of 2.75 or higher.

Students will typically apply to Stage 1 at the end of their first year of study. **When applying, note that the Subject POSt code for Stage 1 Co-op is SCSPE1072C.** Application for admission will be made to the Office of the Registrar through ACORN, during the Limited Program application periods. For more information on applying to limited enrolment programs, please visit the Office of the Registrar website.

Stage 2:
To complete the program, students must choose one of the three available "Stage 2" streams: the Cognitive Stream, the Cellular/Molecular Stream, or the Systems/Behavioural Stream. Students will typically apply to Stage 2 at the end of their second year of study.

The minimum requirements to be considered for stream admission are:

1. Completion of 10.0 credits including: all Stage 1 course requirements, and all of: BIOB10H3, [MATA29H3 or MATA30H3], NROB60H3, NROB61H3, [PSYB06H3 or (PSYB07H3) or STAB22H3*], PSYB55H3, and PSYB70H3

*Note: Beginning in Fall 2027, STAB22H3 no longer be accepted toward the statistics requirement for Stage 2. If you are intending to join the Neuroscience Specialist in Fall 2027 or beyond, please plan accordingly and complete PSYB06H3.

2. Completion of 1.0 credit in *Stream Foundations* courses from the following list*:
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
CSCA20H3 Introduction to Programming
CHMB41H3 Organic Chemistry I
CHMB42H3 Organic Chemistry II
MATA23H3 Linear Algebra
[PHYA10H3 Physics I for the Physical Sciences or PHYA11H3 Physics I for the Life Sciences]
PSYB51H3 Introduction to Perception
PSYC06H3 Advanced Statistical Analysis for Psychology & Neuroscience
(PSYC08H3) Advanced Data Analysis in Psychology
(PSYC09H3) Applied Multiple Regression in Psychology

*Note: Students are advised to exercise caution when selecting these courses since some can be applied to all three streams (BIOB11H3, CHMB41H3, PSYB51H3, PSYC06H3), but others can be applied to only one or two streams.

3. A CGPA of 2.5 or higher.

Prospective Co-op Students
Students who have not yet been admitted into a Co-op Degree POSt must submit a co-op program request through ACORN and ensure they meet the minimum enrollment requirements as noted above. These qualifications may include a higher CGPA specific to the co-op program.
Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in the student's application/request not being considered.
Please note that meeting the minimum qualifications does not guarantee enrolment in the Co-op Program of Study or Degree POSt. The required CGPA may be higher than the minimum threshold and depends on the applicant pool and number of spaces available.

Minimum Qualifications for Prospective Co-op Students:
Credits: Minimum of 4.0 credits to a maximum of 10.0 credits.
Required Courses: Program-specific courses described in the Enrolment Requirements above.
Cumulative GPA: 2.50

Current Co-op Students
Students admitted to a Co-op Degree POSt must also request a Co-op Program of Study through ACORN upon completion of 4.0 credits and meet the minimum qualifications for entry as noted below.

Minimum Qualifications for Current Co-op Students:
Credits: 4.0 credits
Required Courses: Program-specific courses described in the Enrolment Requirements above
Cumulative GPA: 2.50 or higher across all attempted courses.

Description of Proposed Changes:
1. Enrollment requirements: PSYA06/STAB22/STAB23 added as an enrollment requirement in Stage1. Retired PSYB07 removed from Stage 2 enrollment requirements; new PSYB06 course added. Also added PYC06H3 and placed round brackets on retired PSYC08H3 and PSYC09H3. Lastly, added a note about STAB22H3 future update
2. Program requirements: Overall number of credits increased from 13.5 to 14.0 credits
3. Requirement 1: Increased credit requirement by 0.5 credits.
(a) PSYA06/STAB22/STAB23 added to Scientific Foundations requirement
(b) Clarifying language has been added to encourage Department of Psychology students to select PSYA06 over other introductory statistics options at the university. Instructions for contacting the Program Administrator have been added for students joining the program after completing one of the retired statistics course options.
4. Requirement 2: Retired (PSYB07) removed and replaced with PSYB06 in Neuroscience Foundations
5. Requirement 3: Retirement of (PSYC08) and (PSYC09) noted and replaced with PSYC06 in the Quantitative and Methodological Skills requirement
6. Requirement 4: CSCA08 and CSCA48 removed from Advanced Programming 5, and note removed
7: Requirement 8: New course PSYD12 added to Capstone Courses

Rationale:
1. The department has added the new PSYA06 (or equivalent) course to the enrollment requirements for Neuroscience, because taking this course in the first year is critical for progression through the program promptly. PSYB06 has been added as a requirement for Stage 2, which will keep students on track for their upper-year NRO courses. For a period of one year, the department will continue to allow STAB22H3 toward the Stage 2 requirements, to account for students joining the program in Fall 2026 who will not yet have had a chance to take PSYB06. Finally, the retirement of PSYC08 and PSYC09 has been indicated, and replaced with the new course PSYC06.
2. As part of a full revamp of the Statistics courses in the Department of Psychology, existing statistics courses PSYB07, PSYC08, and PSYC09 are being retired, and replaced with three new courses: PSYA06, PSYB06, and PSYC06. Students in our Specialist programs will be required to take all three courses in this new sequence. This increases the program's overall credit value by 0.5, since students were previously required to take only two statistics courses. Together, these three courses will better prepare students in the skills needed to conduct neuroscience and psychology research.
3. Program Requirements: The increase in statistics of 0.5 credits has been applied here
(a) The required statistics course options have been added
(b) To provide clarity during this period of transition, a note has been added instructing students to contact the Program Administrator if they've taken the

retired PSYB07 course. Since PSYB07 is positioned somewhere between the new PSYA06 and PSYB06 in terms of content, there is no simple way to indicate how PSYB07 interacts with the new version of the program. Students who have taken the retired course can reach out to the Program Administrator for next steps. Namely, an exception will be made to allow PSYB07 in place of both PSYA06+B06; however, the student will be instructed to take an extra PSY course beyond their program requirements to make up the credit discrepancy.
4./5. Noted the retirement of PSYB07/C08/c09 and added the new courses as follows: PSYB06 to Neuroscience Foundations, and PSYC06 to Quantitative and Methodological Skills.
6. CSCA08 and CSCA48 have been removed from program options, as per guidance from the Registrar's Office. CMS is no longer accommodating neuroscience students into these courses.
7. Capstone options have been updated to include the new course PSYD12. The content of PSYD12 is based on material that Prof. Thiruchselvam has taught under the PSYD66 (Current Topics in Human Brain and Behaviour) umbrella for the past 4 years, and is appropriate for Neuroscience students.

Impact:
None

Consultations:
DCC Approval: Oct 9, 2025
Department of CMS and Registrar's Office [Naureen Nizam, Shelby Verboven, Anya Tafliovich, Mike Molloy]: May 15, 2025
Department of Biological Sciences [Shelley Brunt, Jen Campbell]: Oct 20, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCSPE1372C: SPECIALIST (CO-OPERATIVE) PROGRAM IN NEUROSCIENCE - Systems/Behavioural Stream (SCIENCE)

Completion Requirements:

Previous:

Academic Program Requirements
This program requires students to complete 6.5 credits in core courses that are common to all streams. Students will complete a further 7.0 credits, specific to the Systems/Behavioural stream, for a total of 13.5 credits.

CORE (6.5 credits)

1. Scientific Foundations (3.5 credits):
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms *or* CHMA12H3 Advanced General Chemistry]
[MATA29H3 Calculus I for the Life Sciences *or* MATA30H3 Calculus I for Physical Sciences]
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Neuroscience Foundations (3.0 credits):
BIOB10H3 Cell Biology
NROB60H3 Neuroanatomy Laboratory
NROB61H3 Neurophysiology
PSYB55H3 Introduction to Cognitive Neuroscience
[PSYB07H3 Data Analysis in Psychology *or* STAB22H3 Statistics I]
PSYB70H3 Methods in Psychological Science

SYSTEMS/BEHAVIOURAL STREAM (7.0 credits)

3. Quantitative Logic and Reasoning (1.0 credit):
PSYC08H3 Advanced Data Analysis in Psychology
and one of the following:
CSCA20H3 Introduction to Programming
[PHYA10H3 Physics I for the Physical Sciences *or* PHYA11H3 Physics I for the Life Sciences]

4. Advanced Foundations (2.5 credits):
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB12H3 Cell and Molecular Biology Laboratory
NROC61H3 Learning and Motivation
and two of the following:
BIOC44H3/(NROC34H3) Neuroethology
NROC64H3 Sensorimotor Systems
NROC69H3 Synaptic Organization & Physiology of the Brain

5. Stream-specific electives (1.0 credit):
CHMB41H3 Organic Chemistry I
and one of the following:
BIOC14H3 Genes, Environment and Behaviour
CHMB42H3 Organic Chemistry II
NROC36H3 Molecular Neuroscience
PSYC62H3 Drugs and the Brain

6. Breadth in Neuroscience (1.0 credit):
two of the following:
NROC36H3 Molecular Neuroscience*
NROC69H3 Synaptic Organization & Physiology of the Brain*
PSYB51H3 Introduction to Perception
PSYC51H3 Cognitive Neuroscience of Vision
PSYC52H3 Cognitive Neuroscience of Attention
PSYC53H3 Cognitive Neuroscience of Memory
PSYC54H3 Auditory Cognitive Neuroscience
PSYC57H3 Cognitive Neuroscience of Decision Making
PSYC59H3 Cognitive Neuroscience of Language
**only if not used to complete components 4 or 5 of the requirements*

7. Laboratory Course (0.5 credit):
one of the following:
NROC60H3 Cellular Neuroscience Laboratory
NROC63H3 Behavioural Neuroscience Laboratory *(recommended)*
NROC90H3 Supervised Study in Neuroscience
NROC93H3 Supervised Study in Neuroscience
PSYC74H3 Human Movement Laboratory

8. Capstone Courses (1.0 credit):
two of the following:
BIOD06H3 Advanced Topics in Neural Basis of Motor Control
BIOD07H3 Advanced Topics and Methods in Neural Circuit Analysis
BIOD08H3/(NROD08H3) Theoretical Neuroscience
BIOD45H3 Animal Communication
BIOD65H3 Pathologies of the Nervous System
NROD60H3 Current Topics in Neuroscience
NROD61H3 Emotional Learning Circuits
NROD66H3 Drug Addiction
NROD67H3 Neuroscience of Aging
NROD98Y3 Thesis in Neuroscience*
PSYD66H3 Current Topics in Human Brain & Behaviour
**Note: only 0.5 credit of NROD98Y3 can be counted towards the Capstone course requirement*

Planning Your Co-op Work Terms & Academics
Enrollment in a Co-op program requires careful planning of both academics and work terms. Students should consult their Co-op Program Coordinator and Academic Program Advisors, as well as review the standard co-op sequences and course maps available on the Arts & Science Co-op website and Arts and Science Co-op Compass for guidance.

Co-op Work Term Requirements
Students must successfully complete three Co-op work terms, totaling 12 months in duration, which can be fulfilled through the following options:

- Three 4-month work terms, *or*
- One 4-month work term and one 8-month work term, *or*
- One 12-month work term.

Students must be available for work terms during the Fall, Winter, and Summer semesters and are required to complete at least one of their work terms in either the Fall or Winter semester. As a result, students must also take courses during the Summer semesters.

To be eligible for their first work term, students must be enrolled in the program, have completed at least 7.0 credits, and maintain a CGPA of 2.50 or higher. It is recommended that PSYB07H3, PSYB70H3, NROB60H3, at least one of [BIOB10H3, BIOB11H3], and at least one of [NROB61H3, PSYB55H3] be completed before the first work term. Any of these courses that are not completed prior to the first work term are recommended to be completed before the second work term. The following additional courses are recommended to be completed before the second work term for the Systems/Behavioural stream: BIOB12H3, CHMB41H3, and CHMB42H3. In addition to their academic courses, students must also complete the required Co-op preparation courses.

Co-op Course Requirements
Co-op students complete the following Co-op-specific courses as part of their degree:

Co-op Preparation Courses (Completed in First Year):

- **COPB50H3**
- **COPB54H3/(COPB51H3)**

Work Term Search Courses:

- **COPB55H3/(COPB52H3)** (Completed in the semester prior to the first work term)
- **COPC98H3** (Taken in the semester prior to the second work term)

- **COPC99H3** (Taken in the semester prior to the third work term)

Required Work Term Courses:

- **COPC01H3** (First work term)
- **COPC02H3** (Second work term)
- **COPC03H3** (Third work term)

Additional Work Terms & Courses:
After successful completion of the three required work terms, students interested in additional work terms will require approval from the Arts & Science Co-op Office. Additional coursework will also be required:

- **COPC04H3** (Fourth work term)
- **COPC05H3** (Fifth work term)

Note: Co-op courses are taken alongside a full course load and are recorded on transcripts as Credit/No Credit (CR/NCR). These courses have no credit weight and are considered additional credits beyond the 20.0 required degree credits. No additional course fee is charged, as registration is included in the Co-op Program fee.

For information on course codes, fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar.*

New:

Academic Program Requirements
This program requires students to complete 7.0 credits in core courses that are common to all streams. Students will complete a further 7.0 credits, specific to the Systems/Behavioural stream, for a total of 14.0 credits.

CORE (7.0 credits)

1. Scientific Foundations (4.0 credits):
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms *or* CHMA12H3 Advanced General Chemistry]
[MATA29H3 Calculus I for the Life Sciences *or* MATA30H3 Calculus I for Physical Sciences]
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology
and
0.5 credit from the following:
PSYA06H3 Introduction to Data Analysis for Scientific Literacy*
STAB22H3 Statistics I
STAB23H3 Introduction to Statistics for the Social Sciences

Notes:
*1. Department of Psychology students are strongly encouraged to choose the PSYA06H3 course option.
2. For students who have completed the retired (PSYB07H3) course, please contact the Undergraduate Program Administrator for guidance.

2. Neuroscience Foundations (3.0 credits):
BIOB10H3 Cell Biology
NROB60H3 Neuroanatomy Laboratory
NROB61H3 Neurophysiology
PSYB06H3 Applied Statistical Analysis for Psychology & Neuroscience
PSYB55H3 Introduction to Cognitive Neuroscience
PSYB70H3 Methods in Psychological Science

SYSTEMS/BEHAVIOURAL STREAM (7.0 credits)

3. Quantitative Logic and Reasoning (1.0 credit):
0.5 credit from the following:
PSYC06H3 Advanced Statistical Analysis for Psychology & Neuroscience
(PSYC08H3) Advanced Data Analysis in Psychology
(PSYC09H3) Applied Multiple Regression in Psychology
and
0.5 credit from the following:
CSCA20H3 Introduction to Programming

PHYA10H3 Physics I for the Physical Sciences
PHYA11H3 Physics I for the Life Sciences

4. Advanced Foundations (2.5 credits):
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB12H3 Cell and Molecular Biology Laboratory
NROC61H3 Learning and Motivation
and
1.0 credit from the following:
BIOC44H3/(NROC34H3) Neuroethology
NROC64H3 Sensorimotor Systems
NROC69H3 Synaptic Organization & Physiology of the Brain

5. Stream-specific electives (1.0 credit):
CHMB41H3 Organic Chemistry I
and
0.5 credit from the following:
BIOC14H3 Genes, Environment and Behaviour
CHMB42H3 Organic Chemistry II
NROC36H3 Molecular Neuroscience
PSYC62H3 Drugs and the Brain

6. Breadth in Neuroscience (1.0 credit):
1.0 credit from the following:
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PSYB51H3 Introduction to Perception
PSYC51H3 Cognitive Neuroscience of Vision
PSYC52H3 Cognitive Neuroscience of Attention
PSYC53H3 Cognitive Neuroscience of Memory
PSYC54H3 Auditory Cognitive Neuroscience
PSYC57H3 Cognitive Neuroscience of Decision Making
PSYC59H3 Cognitive Neuroscience of Language

*Note: only if not used to complete components 4 or 5 of the requirements

7. Laboratory Course (0.5 credit):
0.5 credit from the following:
NROC60H3 Cellular Neuroscience Laboratory
NROC63H3 Behavioural Neuroscience Laboratory *(recommended)*
NROC90H3 Supervised Study in Neuroscience
NROC93H3 Supervised Study in Neuroscience
PSYC74H3 Human Movement Laboratory

8. Capstone Courses (1.0 credit):
1.0 credit from the following, of which at least 0.5 credit must be from BIO or NRO:
BIOD06H3 Advanced Topics in Neural Basis of Motor Control
BIOD07H3 Advanced Topics and Methods in Neural Circuit Analysis
BIOD08H3/(NROD08H3) Theoretical Neuroscience
BIOD45H3 Animal Communication
BIOD65H3 Pathologies of the Nervous System
NROD60H3 Current Topics in Neuroscience
NROD61H3 Emotional Learning Circuits
(NROD66H3) Drug Addiction
NROD67H3 Neuroscience of Aging
NROD98Y3 Thesis in Neuroscience*
PSYD12H3 Me and I: The Self in Mind and Brain
PSYD51H3 Current Topics in Perception
PSYD54H3 Current Topics in Visual Recognition
PSYD62H3 Neuroscience of Pleasure and Reward
PSYD66H3 Current Topics in Human Brain & Behaviour

*Note: only 0.5 credit of NROD98Y3 can be counted towards the Capstone course requirement

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- One 4-month work term and one 8-month work term, *or*
- One 12-month work term.

Students must be available for work terms during the Fall, Winter, and Summer semesters and are required to complete at least one of their work terms in either the Fall or Winter semester. As a result, students must also take courses during the Summer semesters.

To be eligible for their first work term, students must be enrolled in the program, have completed at least 7.0 credits, and maintain a CGPA of 2.50 or higher. It is recommended that PSYA06H3, PSYB70H3, NROB60H3, at least one of [BIOB10H3, BIOB11H3], and at least one of [NROB61H3, PSYB55H3] be completed before the first work term. Any of these courses that are not completed prior to the first work term are recommended to be completed before the second work term. The following additional courses are recommended to be completed before the second work term for the Systems/Behavioural stream: PSYB06H3, BIOB12H3, CHMB41H3, and CHMB42H3. In addition to their academic courses, students must also complete the required Co-op preparation courses.

Co-op Course Requirements
Co-op students complete the following Co-op-specific courses as part of their degree:

Co-op Preparation Courses (Completed in First Year):

- **COPB50H3**
- **COPB54H3/(COPB51H3)**

Work Term Search Courses:

- **COPB55H3/(COPB52H3)** (Completed in the semester prior to the first work term)
- **COPC98H3** (Taken in the semester prior to the second work term)
- **COPC99H3** (Taken in the semester prior to the third work term)

Required Work Term Courses:

- **COPC01H3** (First work term)
- **COPC02H3** (Second work term)
- **COPC03H3** (Third work term)

Additional Work Terms & Courses:
After successful completion of the three required work terms, students interested in additional work terms will require approval from the Arts & Science Co-op Office. Additional coursework will also be required:

- **COPC04H3** (Fourth work term)
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For information on course codes, fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar.*

Enrolment Requirements:

Previous:

Enrolment Requirements
Enrolment in the Program is limited. The admission requirements may change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enrol in backup programs.
Notes: Co-op students who started in Co-op prior to Fall 2025 are allowed to follow the calendar requirements in effect at that time.

Enrolment takes place in two stages:

Stage 1:
The minimum requirements to be considered for admission are:

1. Completion of 4.0 credits, including BIOA01H3, BIOA02H3, CHMA10H3, [CHMA11H3 or CHMA12H3], PSYA01H3, and PSYA02H3

2. A CGPA of 2.75 or higher.

Students will typically apply to Stage 1 at the end of their first year of study. **When applying, note that the Subject POSt code for Stage 1 Co-op is**

SCSPE1072C. Application for admission will be made to the Office of the Registrar through ACORN, during the Limited Program application periods. For more information on applying to limited enrolment programs, please visit the Office of the Registrar website.

Stage 2:
To complete the program, students must choose one of the three available "Stage 2" streams: the Cognitive Stream, the Cellular/Molecular Stream, or the Systems/Behavioural Stream. Students will typically apply to Stage 2 at the end of their second year of study.

The minimum requirements to be considered for stream admission are:

1. Completion of 10.0 credits including: all Stage 1 course requirements, [MATA29H3 or MATA30H3], and all *Neuroscience Foundations* courses: BIOB10H3, NROB60H3, NROB61H3, [PSYB07H3 or STAB22H3], PSYB55H3, PSYB70H3

2. Completion of 1.0 credit in *Stream Foundations* courses from the following list*:
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
CSCA20H3 Introduction to Programming
CHMB41H3 Organic Chemistry I
CHMB42H3 Organic Chemistry II
MATA23H3 Linear Algebra
[PHYA10H3 Physics I for the Physical Sciences or PHYA11H3 Physics I for the Life Sciences]
PSYB51H3 Introduction to Perception
PSYC08H3 Advanced Data Analysis in Psychology
PSYC09H3 Applied Multiple Regression in Psychology

**Note: Students are advised to exercise caution when selecting these courses since some can be applied to all three streams (BIOB11H3, CHMB41H3, PSYB51H3, PSYC08H3), but others can be applied to only one or two streams.*

3. A CGPA of 2.50 or higher.

Prospective Co-op Students
Students who have not yet been admitted into a Co-op Degree POSt must submit a co-op program request through ACORN and ensure they meet the minimum enrollment requirements as noted above. These qualifications may include a higher CGPA specific to the co-op program.
Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in the student's application/request not being considered.
Please note that meeting the minimum qualifications does not guarantee enrolment in the Co-op Program of Study or Degree POSt. The required CGPA may be higher than the minimum threshold and depends on the applicant pool and number of spaces available.

Minimum Qualifications for Prospective Co-op Students:
Credits: Minimum of 4.0 credits to a maximum of 10.0 credits.
Required Courses: Program-specific courses described in the Enrolment Requirements above.
Cumulative GPA: 2.50

Current Co-op Students
Students admitted to a Co-op Degree POSt must also request a Co-op Program of Study through ACORN upon completion of 4.0 credits and meet the minimum qualifications for entry as noted below.

Minimum Qualifications for Current Co-op Students:
Credits: 4.0 credits
Required Courses: Program-specific courses described in the Enrolment Requirements above
Cumulative GPA: 2.50 or higher across all attempted courses.

New:

Enrolment Requirements
Enrolment in the Program is limited. The admission requirements may change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enrol in backup programs.
Note: Co-op students who started in Co-op prior to Fall 2025 are allowed to follow the calendar requirements in effect at that time.

Enrolment takes place in two stages:

Stage 1:
The minimum requirements to be considered for admission are:

1. Completion of 4.0 credits, including BIOA01H3, BIOA02H3, CHMA10H3, [CHMA11H3 or CHMA12H3], PSYA01H3, PSYA02H3, and [PSYA06H3 or STAB22H3 or STAB23H3]

2. A CGPA of 2.75 or higher.

Students will typically apply to Stage 1 at the end of their first year of study. **When applying, note that the Subject POSt code for Stage 1 Co-op is SCSPE1072C.** Application for admission will be made to the Office of the Registrar through ACORN, during the Limited Program application periods. For more information on applying to limited enrolment programs, please visit the Office of the Registrar website.

Stage 2:

To complete the program, students must choose one of the three available "Stage 2" streams: the Cognitive Stream, the Cellular/Molecular Stream, or the Systems/Behavioural Stream. Students will typically apply to Stage 2 at the end of their second year of study.

The minimum requirements to be considered for stream admission are:

1. Completion of 10.0 credits including: all Stage 1 course requirements, and all of: BIOB10H3, [MATA29H3 or MATA30H3], NROB60H3, NROB61H3, [PSYB06H3 or (PSYB07H3) or STAB22H3*], PSYB55H3, and PSYB70H3

*Note: Beginning in Fall 2027, STAB22H3 no longer be accepted toward the statistics requirement for Stage 2. If you are intending to join the Neuroscience Specialist in Fall 2027 or beyond, please plan accordingly and complete PSYB06H3.

2. Completion of 1.0 credit in *Stream Foundations* courses from the following list*:
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
CSCA20H3 Introduction to Programming
CHMB41H3 Organic Chemistry I
CHMB42H3 Organic Chemistry II
MATA23H3 Linear Algebra
[PHYA10H3 Physics I for the Physical Sciences or PHYA11H3 Physics I for the Life Sciences]
PSYB51H3 Introduction to Perception
PSYC06H3 Advanced Statistical Analysis for Psychology & Neuroscience
(PSYC08H3) Advanced Data Analysis in Psychology
(PSYC09H3) Applied Multiple Regression in Psychology

*Note: Students are advised to exercise caution when selecting these courses since some can be applied to all three streams (BIOB11H3, CHMB41H3, PSYB51H3, PSYC06H3), but others can be applied to only one or two streams.

3. A CGPA of 2.5 or higher.

Prospective Co-op Students
Students who have not yet been admitted into a Co-op Degree POSt must submit a co-op program request through ACORN and ensure they meet the minimum enrollment requirements as noted above. These qualifications may include a higher CGPA specific to the co-op program.
Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in the student's application/request not being considered.
Please note that meeting the minimum qualifications does not guarantee enrolment in the Co-op Program of Study or Degree POSt. The required CGPA may be higher than the minimum threshold and depends on the applicant pool and number of spaces available.

Minimum Qualifications for Prospective Co-op Students:
Credits: Minimum of 4.0 credits to a maximum of 10.0 credits.
Required Courses: Program-specific courses described in the Enrolment Requirements above.
Cumulative GPA: 2.50

Current Co-op Students
Students admitted to a Co-op Degree POSt must also request a Co-op Program of Study through ACORN upon completion of 4.0 credits and meet the minimum qualifications for entry as noted below.

Minimum Qualifications for Current Co-op Students:
Credits: 4.0 credits
Required Courses: Program-specific courses described in the Enrolment Requirements above
Cumulative GPA: 2.50 or higher across all attempted courses.

Description of Proposed Changes:

1. Enrollment requirements: PSYA06/STAB22/STAB23 added as an enrollment requirement in Stage1. Retired PSYB07 removed from Stage 2 enrollment requirements; new PSYB06 course added. Also added PYC06H3 and placed round brackets on retired PSYC08H3 and PSYC09H3. Lastly, added about STAB22H3 future update
2. Program requirements: Overall number of credits increased from 13.5 to 14.0 credits
3. Requirement 1: Increased credit requirement by 0.5 credits.
(a) PSYA06/STAB22/STAB23 added to Scientific Foundations requirement
(b) Clarifying language has been added to encourage Department of Psychology students to select PSYA06 over other introductory statistics options at the university. Instructions for contacting the Program Administrator have been added for students joining the program after completing one of the retired statistics course options.
4. Requirement 2: Retired (PSYB07) removed and replaced with PSYB06 in Neuroscience Foundations
5. Requirement 3: Retirement of (PSYC08) and (PSYC09) noted and replaced with PSYC06 in the Quantitative and Methodological Skills requirement
6. Requirement 8: New course PSYD12 added to Capstone Courses; Retirement of NROD66 noted; Existing courses PSYD51, PSYD54, PSYD62 added to Capstone Courses

Rationale:

1. The department has added the new PSYA06 (or equivalent) course to the enrollment requirements for Neuroscience, because taking this course in the first year is critical for progression through the program promptly. PSYB06 has been added as a requirement for Stage 2, which will keep students on track for their upper-year NRO courses. For a period of one year, the department will continue to allow STAB22H3 toward the Stage 2 requirements, to account for students joining the program in Fall 2026 who will not yet have had a chance to take PSYB06. Finally, the retirement of PSYC08 and PSYC09 has been indicated, and replaced with the new course PSYC06.
2. As part of a full revamp of the Statistics courses in the Department of Psychology, existing statistics courses PSYB07, PSYC08, and PSYC09 are being retired, and replaced with three new courses: PSYA06, PSYB06, and PSYC06. Students in our Specialist programs will be required to take all three courses in this new sequence. This increases the overall credit value of the program by 0.5, since students were previously only required to take two statistics courses. Together, these three courses will better prepare students in the skills needed to conduct neuroscience and psychology research.
3. Program Requirements: the increase in statistics 0.5 credits have been applied here

(a) The required statistics course options have been added
(b) To provide clarity during this period of transition, a note has been added instructing students to contact the Program Administrator if they've taken the retired PSYB07 course. Since PSYB07 is positioned somewhere between the new PSYA06 and PSYB06 in terms of content, there is no simple way to indicate how PSYB07 interacts with the new version of the program. Students who have taken the retired course can reach out to the Program Administrator for next steps. Namely, an exception will be made to allow PSYB07 in place of both PSYA06+B06, however, the student will be instructed to take an extra PSY course beyond their program requirements to make up the credit discrepancy.
4./5. Noted the retirement of PSYB07/C08/c09 and added the new courses as follows: PSYB06 to Neuroscience Foundations, and PSYC06 to Quantitative and Methodological Skills.
6. Capstone options have been updated to include new course PSYD12. The content of PSYD12 is based on material that Prof. Thiruchselvam has taught under the PSYD66 (Current Topics in Human Brain and Behaviour) umbrella for the past 4 years, and is appropriate for Neuroscience students. PSYD51H3, PSYD62H3 and PSYD54H3 are also being included to give students more options. These courses are based in cognitive neuroscience, and are relevant to students in the Neuroscience Specialist program. A clarification has been added to require that one of the capstone courses must come from BIO or NRO to ensure students complete at least one capstone course that leans toward the more biological/animal model side of the neuroscience spectrum.

Impact:
None

Consultations:
DCC Approval: Oct 9, 2025
Department of Biological Sciences [Shelley Brunt, Jen Campbell]: Oct 20, 2025
RO Approval (Lindsey T.): Nov 4, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCSPE1160A: SPECIALIST (CO-OPERATIVE) PROGRAM IN PSYCHOLOGY (SCIENCE)

Completion Requirements:

Previous:

Academic Program Requirements
The program requires students to complete a total of 12.5 credits, including at least 4.0 credits at the C- or D-level, of which at 1.0 credit must be at the D-level:

1. Introduction to Psychology (1.0 credit)
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Laboratory Methods (1.5 credits)
PSYB70H3 Methods in Psychological Science
PSYC70H3 Advanced Research Methods Laboratory
and 0.5 credit from among the following:
PSYC71H3 Social Psychology Laboratory
PSYC72H3 Developmental Psychology Laboratory
PSYC74H3 Human Movement Laboratory
PSYC75H3 Cognitive Psychology Laboratory
PSYC76H3 Brain Imaging Laboratory

3. Statistical Methods (1.0 credit)
PSYB07H3 Data Analysis in Psychology
[PSYC08H3 Advanced Data Analysis in Psychology *or* PSYC09H3 Applied Multiple Regression in Psychology]

4. PSYC02H3 Scientific Communication in Psychology (0.5 credit)

5. PSYC01H3/(PSYC85H3) History of Psychology (0.5 credit)

6. Breadth in Psychology at the B-level and C-level (4.0 credits)
Students are required to take 2.0 credits at the B- or C-level from each of the content groups listed below:
(a) Social and Developmental (courses listed in the 10- and 20-series)
(b) Perception, Cognition and Physiology (courses listed in the 50- and 60-series)

7. Seminars in Psychology at the D-level (1.0 credit)
All PSY D-level courses are considered "seminars", with the exception of PSYD98Y3. Students must take 0.5 credit from each grouping below:
(a) Social and Developmental (courses listed in the 10- and 20-series)
(b) Perception, Cognition and Physiology (courses listed in the 50- and 60-series)

8. Additional credits in Psychology at the B-level or higher (3.0 credits)
Of the 3.0 credits, at least 1.0 credit must be at the C-level. Supervised study [PSYB90H3 *or* PSYC90H3 *or* PSYC93H3] *or* thesis [PSYD98Y3] courses may be used to fulfill a maximum of 0.5 credit.

Planning Your Co-op Work Terms & Academics
Enrollment in a Co-op program requires careful planning of both academics and work terms. Students should consult their Co-op Program Coordinator and Academic Program Advisors, as well as review the standard co-op sequences and course maps available on the Arts & Science Co-op website and Arts and Science Co-op Compass for guidance.

Co-op Work Term Requirements
Students must successfully complete three Co-op work terms, totaling 12 months in duration, which can be fulfilled through the following options:

- Three 4-month work terms, *or*
- One 4-month work term and one 8-month work term, *or*
- One 12-month work term.

Students must be available for work terms during the Fall, Winter, and Summer semesters and are required to complete at least one of their work terms in either the Fall or Winter semester. As a result, students must also take courses during the Summer semesters.

To be eligible for their first work term, students must be enrolled in the program, have completed at least 7.0 credits, and maintain a CGPA of 2.50 or higher. It is recommended that PSYB07H3, PSYB70H3, and 1.0 additional PSY B-level credits be completed before the first work term, and PSYC02H3, [PSYC08H3 or PSYC09H3], and PSYC70H3 be completed before the second work term. In addition to their academic courses, students must also complete the required Co-op preparation courses.

Co-op Course Requirements
Co-op students complete the following Co-op-specific courses as part of their degree:

Co-op Preparation Courses (Completed in First Year):

- **COPB50H3**
- **COPB54H3/(COPB51H3)**

Work Term Search Courses:

- **COPB55H3/(COPB52H3)** (Completed in the semester prior to the first work term)
- **COPC98H3** (Taken in the semester prior to the second work term)
- **COPC99H3** (Taken in the semester prior to the third work term)

Required Work Term Courses:

- **COPC01H3** (First work term)
- **COPC02H3** (Second work term)
- **COPC03H3** (Third work term)

Additional Work Terms & Courses:
After successful completion of the three required work terms, students interested in additional work terms will require approval from the Arts & Science Co-op Office. Additional coursework will also be required:

- **COPC04H3** (Fourth work term)
- **COPC05H3** (Fifth work term)

Note: Co-op courses are taken alongside a full course load and are recorded on transcripts as Credit/No Credit (CR/NCR). These courses have no credit weight and are considered additional credits beyond the 20.0 required degree credits. No additional course fee is charged, as registration is included in the Co-op Program fee.

For information on course codes, fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar.*

New:

Academic Program Requirements
The program requires students to complete a total of 13.0 credits, including at least 4.0 credits at the C- or D-level, of which at 1.0 credit must be at the D-level:

1. Introduction to Psychology (1.0 credit)
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Laboratory Methods (1.5 credits)
PSYB70H3 Methods in Psychological Science

PSYC70H3 Advanced Research Methods Laboratory
and
0.5 credit from the following:
PSYC71H3 Social Psychology Laboratory
PSYC72H3 Developmental Psychology Laboratory
PSYC74H3 Human Movement Laboratory
PSYC75H3 Cognitive Psychology Laboratory
PSYC76H3 Brain Imaging Laboratory

3. Statistical Methods (1.5 credits)
0.5 credit from the following:
PSYA06H3 Introduction to Data Analysis for Scientific Literacy*
STAB22H3 Statistics I
STAB23H3 Introduction to Statistics for the Social Sciences
and:
PSYB06H3 Applied Statistical Analysis for Psychology & Neuroscience
and
0.5 credit from the following:
PSYC06H3 Advanced Statistical Analysis for Psychology & Neuroscience
(PSYC08H3) Advanced Data Analysis in Psychology
(PSYC09H3) Applied Multiple Regression in Psychology

Notes:
*1. Department of Psychology students are strongly encouraged to choose the PSYA06H3 course option.
2. For students who have completed the retired (PSYB07H3) course, please contact the Undergraduate Program Administrator for guidance.

4. PSYC02H3 Scientific Communication in Psychology (0.5 credit)

5. PSYC01H3/(PSYC85H3) History of Psychology (0.5 credit)

6. Breadth in Psychology at the B-level and C-level (4.0 credits)
Students are required to take 2.0 credits at the B- or C-level from each of the content groups listed below:
(a) Social and Developmental (courses listed in the 10- and 20-series)
(b) Perception, Cognition and Physiology (courses listed in the 50- and 60-series)

7. Seminars in Psychology at the D-level (1.0 credit)
All PSY D-level courses are considered "seminars", with the exception of PSYD98Y3. Students must take 0.5 credit from each grouping below:
(a) Social and Developmental (courses listed in the 10- and 20-series)
(b) Perception, Cognition and Physiology (courses listed in the 50- and 60-series)

8. Additional credits in Psychology at the B-level or higher (3.0 credits)
Of the 3.0 credits, at least 1.0 credit must be at the C-level. Supervised study [PSYB90H3 *or* PSYC90H3 *or* PSYC93H3] *or* thesis [PSYD98Y3] courses may be used to fulfill a maximum of 0.5 credit.

Planning Your Co-op Work Terms & Academics
Enrollment in a Co-op program requires careful planning of both academics and work terms. Students should consult their Co-op Program Coordinator and Academic Program Advisors, as well as review the standard co-op sequences and course maps available on the Arts & Science Co-op website and Arts and Science Co-op Compass for guidance.

Co-op Work Term Requirements
Students must successfully complete three Co-op work terms, totaling 12 months in duration, which can be fulfilled through the following options:

- Three 4-month work terms, *or*
- One 4-month work term and one 8-month work term, *or*
- One 12-month work term.

Students must be available for work terms during the Fall, Winter, and Summer semesters and are required to complete at least one of their work terms in either the Fall or Winter semester. As a result, students must also take courses during the Summer semesters.

To be eligible for their first work term, students must be enrolled in the program, have completed at least 7.0 credits, and maintain a CGPA of 2.50 or higher. It is recommended that PSYA06H3, PSYB70H3, and 1.0 additional PSY B-level credits be completed before the first work term, and PSYB06H3, PSYC02H3, and PSYC70H3 be completed before the second work term. In addition to their academic courses, students must also complete the required Co-op preparation courses.

Co-op Course Requirements
Co-op students complete the following Co-op-specific courses as part of their degree:

Co-op Preparation Courses (Completed in First Year):

- **COPB50H3**

- **COPB54H3/(COPB51H3)**

Work Term Search Courses:

- **COPB55H3/(COPB52H3)** (Completed in the semester prior to the first work term)
- **COPC98H3** (Taken in the semester prior to the second work term)
- **COPC99H3** (Taken in the semester prior to the third work term)

Required Work Term Courses:

- **COPC01H3** (First work term)
- **COPC02H3** (Second work term)
- **COPC03H3** (Third work term)

Additional Work Terms & Courses:
After successful completion of the three required work terms, students interested in additional work terms will require approval from the Arts & Science Co-op Office. Additional coursework will also be required:

- **COPC04H3** (Fourth work term)
- **COPC05H3** (Fifth work term)

Note: Co-op courses are taken alongside a full course load and are recorded on transcripts as Credit/No Credit (CR/NCR). These courses have no credit weight and are considered additional credits beyond the 20.0 required degree credits. No additional course fee is charged, as registration is included in the Co-op Program fee.

For information on course codes, fees, status in Co-op programs, and certification of completion of Co-op programs, see the Co-operative Programs section and the Arts and Science Co-op section in the UTSC *Calendar.*

Enrolment Requirements:

Previous:

Enrolment Requirements
Enrolment in the Program is limited. Admission will require:
(a.) completion of any Grade 12 U/M high school math course or equivalent (or successful completion of the UTSC Online Mathematics Preparedness Course or equivalent), and
(b.) completion of Grade 12 U/M high school biology or equivalent (or BIOA12H3 or equivalent), and
(c.) completion of a minimum of 4.0 credits, including 1.0 credit in Psychology, and
(d.) a cumulative GPA of at least 2.75, and
(e.) either (1) a final grade of 75% or higher in both PSYA01H3 and PSYA02H3, or (2) a final grade of 64% or higher in both PSYA01H3 and PSYA02H3, and a final grade of 72% or higher in [PSYB07H3 or equivalent] and PSYB70H3.
Note: Co-op students who started in Co-op prior to Fall 2025 are allowed to follow the calendar requirements in effect at that time.

Prospective Co-op Students
Students who have not yet been admitted into a Co-op Degree POSt must submit a co-op program request through ACORN and ensure they meet the minimum enrollment requirements as noted above. These qualifications may include a higher CGPA specific to the co-op program.
Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in the student's application/request not being considered.
Please note that meeting the minimum qualifications does not guarantee enrolment in the Co-op Program of Study or Degree POSt. The required CGPA may be higher than the minimum threshold and is dependent on the applicant pool and number of spaces available.

Minimum Qualifications for Prospective Co-op Students:
Credits: Minimum of 4.0 credits to a maximum of 10.0 credits.
Required Courses: Program-specific courses described in the Enrolment Requirements above.
Cumulative GPA: 2.50

Current Co-op Students
Students admitted to a Co-op Degree POSt must also request a Co-op Program of Study through ACORN upon completion of 4.0 credits and meet the minimum qualifications for entry as noted below.

Minimum Qualifications for Current Co-op Students:
Credits: 4.0 credits
Required Courses: Program-specific courses described in the Enrolment Requirements above
Cumulative GPA: 2.50 or higher across all attempted courses.

New:

Enrolment Requirements
Enrolment in the Program is limited. Admission will require:
(a.) completion of any Grade 12 U/M high school math course or equivalent (or successful completion of the UTSC Online Mathematics Preparedness Course or equivalent), and
(b.) completion of Grade 12 U/M high school biology or equivalent (or BIOA12H3 or equivalent), and
(c.) completion of a minimum of 4.0 credits, including 1.0 credit in Psychology, and
(d.) a cumulative GPA of at least 2.75, and
(e.) either (1) a final grade of 75% or higher in both PSYA01H3 and PSYA02H3, or (2) a final grade of 64% or higher in both PSYA01H3 and PSYA02H3, and a final grade of 72% or higher in [PSYA06H3 or PSYB06H3 or (PSYB07H3) or equivalent] and PSYB70H3.
Note: Co-op students who started in Co-op prior to Fall 2025 are allowed to follow the calendar requirements in effect at that time.

Prospective Co-op Students
Students who have not yet been admitted into a Co-op Degree POSt must submit a co-op program request through ACORN and ensure they meet the minimum enrollment requirements as noted above. These qualifications may include a higher CGPA specific to the co-op program.
Deadlines follow the Limited Enrolment Program Application Deadlines set by the Office of the Registrar each year. Failure to submit the program request on ACORN will result in the student's application/request not being considered.
Please note that meeting the minimum qualifications does not guarantee enrolment in the Co-op Program of Study or Degree POSt. The required CGPA may be higher than the minimum threshold and is dependent on the applicant pool and number of spaces available.

Minimum Qualifications for Prospective Co-op Students:
Credits: Minimum of 4.0 credits to a maximum of 10.0 credits.
Required Courses: Program-specific courses described in the Enrolment Requirements above.
Cumulative GPA: 2.50

Current Co-op Students
Students admitted to a Co-op Degree POSt must also request a Co-op Program of Study through ACORN upon completion of 4.0 credits and meet the minimum qualifications for entry as noted below.

Minimum Qualifications for Current Co-op Students:
Credits: 4.0 credits
Required Courses: Program-specific courses described in the Enrolment Requirements above
Cumulative GPA: 2.50 or higher across all attempted courses.

Description of Proposed Changes:
1. Enrolment Requirement: PSYB07H3 has been retired. PSYA06H3 and PSYB06H3 (new stats courses) added in its place for requirements (d.)(2.)
2. Program Requirement: The overall number of credits required for the program has increased from 12.5 to 13.0.
3. Requirement 3: Statistical Methods requirement has increased from 1.0 to 1.5 credits:
(a) PSYB07H3, PSYC08H3 and PSYCC09H3 have been retired. PSYA06H3, PSYB06H3, and PSYC06H3 (new stats courses) were added in their place for the requirement.
(b) Clarifying language has been added to encourage Department of Psychology students to select PSYA06H3 over other introductory statistics options at the university. Instructions to contact the Program Administrator have been added for students who are joining the program after previously completing one of the retired statistics course options.

Rationale:
1./2. As part of a full revamp of the Statistics courses in the Department of Psychology, existing statistics courses PSYB07H3, PSYC08H3, and PSYC09H3H3 are being retired, and replaced with three new courses: PSYA06H3, PSYB06H3, and PSYC06H3. Students in the Majors programs will be required to take the first two courses of this sequence, PSYA06H3 and PSYB06H3. This increases the overall credit value of the program by 0.5 credits, since students were previously required to take one statistics course.
3. The increase in the requirement 3 by an additional 0.5 credits due to the statistical course revamp.
(a) PSYA06H3 will cover core introductory topics like descriptive statistics, probability, and hypothesis testing, making room in PSYB06H3 for deeper analysis, applied work, and skill development. Together, these courses will play a foundational role in preparing students for upper-year courses in Psychology, where more advanced data analysis techniques are introduced.
(b) To provide clarity during this period of transition, a note has been added instructing students to contact the Program Administrator if they've taken the retired PSYB07 course. Since PSYB07H3 is positioned somewhere between the new PSYA06 and PSYB06 in terms of content, there is no simple way to indicate how PSYB07H3 interacts with the new version of the program. Students who have taken the retired course can reach out to the Program Administrator for next steps. Namely, an exception will be made to allow PSYB07H3 in place of both PSYA06+B06; however, the student will be instructed to take an extra PSY course beyond their program requirements to make up the credit discrepancy. (I.e.) Since PSYB07H3 is 0.5 credits but PSYA06+B06 is 1.0 credits, students should take an extra PSY course of their choosing to account for the missing 0.5 PSY credit weight.

Impact:
None

Consultations:
DCC Approval: Oct 9, 2025
RO Approval (Lindsey T.): Oct 27, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCSPE1160M: SPECIALIST PROGRAM IN MENTAL HEALTH STUDIES (SCIENCE)

Completion Requirements:

Previous:

Program Requirements
The program requires completion of 12.5 credits as follows, including at least 4.0 credits at the C- or D-level, of which at least 1.0 must be at the D-level:

1. Introductory Psychology (1.0 credit)
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Laboratory Methods (1.5 credit)
PSYB70H3 Methods in Psychological Science
PSYC37H3 Psychological Assessment
PSYC70H3 Advanced Research Methods Laboratory

3. Statistical Methods (1.0 credit)
PSYB07H3 Data Analysis in Psychology
[PSYC08H3 Advanced Data Analysis in Psychology *or* PSYC09H3 Applied Multiple Regression in Psychology]

4. PSYC02H3 Scientific Communication in Psychology (0.5 credit)

5. PSYC01H3/(PSYC85H3) History of Psychology (0.5 credit)

6. Personality and Clinical Psychology (1.0 credit):
PSYB30H3 Introduction to Personality
PSYB32H3 Introduction to Clinical Psychology

7. Psychosocial and Psychobiological Breadth (3.0 credits)
Students are required to take 2.0 credits from one group and 1.0 credit from the other group:

Psycho-Social Grouping
PSYB38H3 Introduction to Behaviour Modification
PSYC15H3 Foundations in Community Psychology
PSYC17H3 Meeting Minds: The Psychology of Interpersonal Interactions
PSYC18H3 The Psychology of Emotion
PSYC30H3/(PSYC35H3) Advanced Personality Psychology
PSYC34H3 Happiness and Meaning
PSYC36H3 Psychotherapy
PSYC39H3 Psychology and the Law
PSYC73H3 Wellness and Resilience Laboratory

Psycho-Biological Grouping
PSYB55H3 Introduction to Cognitive Neuroscience
PSYB64H3 Introduction to Behavioural Neuroscience
PSYC31H3 Neuropsychological Assessment
(PSYC33H3) Neuropsychological Rehabilitation
PSYC38H3 Adult Psychopathology
PSYC62H3 Drugs and the Brain

8. Seminars in Psychology at the D-level (1.0 credit):
All PSY D-level courses are considered "seminars", with the exception of PSYD98Y3. Students must take 1.0 credit of seminars in Psychology at the D-level, of which 0.5 credit must come from the PSY D30-series:
PSYD30H3 Current topics in Personality Psychology
PSYD31H3 Cultural-Clinical Psychology
PSYD32H3 Personality Disorders
PSYD33H3 Current Topics in Clinical Psychology
PSYD35H3 Clinical Psychopharmacology
PSYD37H3 Social Context of Mental Health and Illness
PSYD39H3 Cognitive Behavioural Therapy

9. Additional credits in Psychology at the B-level or higher (1.5 credits)
Supervised study [PSYB90H3 *or* PSYC90H3 *or* PSYC93H3] *or* thesis [PSYD98Y3] courses may be used to fulfill a maximum of 0.5 credit.

10. 1.5 credits from the following courses:
BIOC70H3 An Introduction to Bias in STEMM (Science, Technology, Engineering, Mathematics and Medicine)
HLTA91H3 A Healthy Campus for Students: Prioritizing Mental Health
HLTB40H3 Health Policy and Health Systems
HLTB41H3 Introduction to the Social Determinants of Health
HLTB42H3 Perspectives of Culture, Illness and Healing
HLTB50H3 Introduction to Health Humanities
HLTC22H3 Health, Aging, and the Life Cycle
HLTC23H3 Issues in Child Health and Development
HLTC42H3 Emerging Health Issues and Policy Needs
HLTC49H3 Indigenous Health
IDSB04H3 Introduction to International/Global Health
IDSC11H3 Issues in Global and International Health
LINB20H3 Sociolinguistics

PHLA11H3 Introduction to Ethics
PHLB07H3 Ethics
PHLB09H3 Biomedical Ethics
PHLB18H3 Ethics of Artificial Intelligence
PHLB81H3 Theories of Mind
PHLC07H3 Death and Dying
PHLC10H3 Topics in Bioethics
SOCB22H3 Sociology of Gender
SOCB49H3 Sociology of Family
SOCB50H3 Deviance and Normality I
SOCC49H3 Indigenous Health

New:

Program Requirements
The program requires completion of 13.0 credits as follows, including at least 4.0 credits at the C- or D-level, of which at least 1.0 must be at the D-level:

1. Introductory Psychology (1.0 credit)
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Laboratory Methods (1.5 credit)
PSYB70H3 Methods in Psychological Science
PSYC37H3 Psychological Assessment
PSYC70H3 Advanced Research Methods Laboratory

3. Statistical Methods (1.5 credits)
0.5 credits from the following:
PSYA06H3 Introduction to Data Analysis for Scientific Literacy*
STAB22H3 Statistics I
STAB23H3 Introduction to Statistics for the Social Sciences
and:
PSYB06H3 Applied Statistical Analysis for Psychology & Neuroscience
and
0.5 credits from the following:
PSYC06H3 Advanced Statistical Analysis for Psychology & Neuroscience
(PSYC08H3) Advanced Data Analysis in Psychology
(PSYC09H3) Applied Multiple Regression in Psychology

Notes:
*1. Department of Psychology students are strongly encouraged to choose the PSYA06H3 course option.
2. For students who have completed the retired (PSYB07H3) course, please contact the Undergraduate Program Administrator for guidance.

4. PSYC02H3 Scientific Communication in Psychology (0.5 credit)

5. PSYC01H3/(PSYC85H3) History of Psychology (0.5 credit)

6. Personality and Clinical Psychology (1.0 credit):
PSYB30H3 Introduction to Personality
PSYB32H3 Introduction to Clinical Psychology

7. Psychosocial and Psychobiological Breadth (3.0 credits)
Students are required to take 2.0 credits from one group and 1.0 credit from the other group:

Psycho-Social Grouping
PSYB38H3 Introduction to Behaviour Modification
PSYC15H3 Foundations in Community Psychology
PSYC17H3 Meeting Minds: The Psychology of Interpersonal Interactions
PSYC18H3 The Psychology of Emotion
PSYC30H3 Advanced Personality Psychology
PSYC34H3 Happiness and Meaning
PSYC36H3 Psychotherapy
PSYC39H3 Psychology and the Law
PSYC73H3 Wellness and Resilience Laboratory

Psycho-Biological Grouping
PSYB55H3 Introduction to Cognitive Neuroscience
PSYB64H3 Introduction to Behavioural Neuroscience
PSYC31H3 Neuropsychological Assessment
(PSYC33H3) Neuropsychological Rehabilitation
PSYC38H3 Adult Psychopathology
PSYC62H3 Drugs and the Brain

8. Seminars in Psychology at the D-level (1.0 credit):
All PSY D-level courses are considered "seminars", with the exception of PSYD98Y3. Students must take 1.0 credit of seminars in Psychology at the D-level,

of which 0.5 credit must come from the PSY D30-series:
PSYD30H3 Current topics in Personality Psychology
PSYD31H3 Cultural-Clinical Psychology
PSYD32H3 Personality Disorders
PSYD33H3 Current Topics in Clinical Psychology
PSYD35H3 Clinical Psychopharmacology
PSYD37H3 Social Context of Mental Health and Illness
PSYD39H3 Cognitive Behavioural Therapy

9. Additional credits in Psychology at the B-level or higher (1.5 credits)
Supervised study [PSYB90H3 *or* PSYC90H3 *or* PSYC93H3] *or* thesis [PSYD98Y3] courses may be used to fulfill a maximum of 0.5 credit.

10. 1.5 credits from the following courses:
BIOC70H3 An Introduction to Bias in STEMM (Science, Technology, Engineering, Mathematics and Medicine)
HLTA91H3 A Healthy Campus for Students: Prioritizing Mental Health
HLTB40H3 Health Policy and Health Systems
HLTB41H3 Social Determinants of Health
HLTB42H3 Perspectives of Culture, Illness and Healing
HLTB50H3 Introduction to Health Humanities
HLTC22H3 Health, Aging, and the Life Cycle
HLTC23H3 Child Health and Development
HLTC42H3 Emerging Health Issues and Policy Needs
HLTC49H3 Indigenous Health
IDSB04H3 Introduction to International/Global Health
IDSC11H3 Issues in Global and International Health
LINB20H3 Sociolinguistics
PHLA11H3 Introduction to Ethics
PHLB07H3 Ethics
PHLB09H3 Bioethics
PHLB18H3 Artificial Intelligence, Mind and Society
PHLB81H3 Theories of Mind
PHLC07H3 Death and Dying
PHLC10H3 Topics in Bioethics
SOCB22H3 Sociology of Gender
SOCB49H3 Sociology of Family
SOCB50H3 Deviance and Normality I
SOCC49H3 Indigenous Health

Enrolment Requirements:

Previous:

Enrolment Requirements

Enrolment in the Program is limited. Admission will require:
(a.) completion of any Grade 12 U/M high school math course or equivalent (or successful completion of the UTSC Online Mathematics Preparedness Course or equivalent), and
(b.) completion of Grade 12 U/M high school biology or equivalent (or BIOA12H3 or equivalent), and
(c.) completion of a minimum of 4.0 credits, including 1.0 credit in Psychology, and
(d.) either (1) a final grade of 75% or higher in both PSYA01H3 and PSYA02H3, or (2) a final grade of 64% or higher in both PSYA01H3 and PSYA02H3, and a final grade of 72% or higher in [PSYB07H3 or equivalent] and PSYB70H3.

Application for admission will be made to the Office of the Registrar through ACORN, during the Limited Program application periods. For more information on applying to limited enrolment programs, please visit the Office of the Registrar website.

New:

Enrolment Requirements
Enrolment in the Program is limited. Admission will require:
(a.) completion of any Grade 12 U/M high school math course or equivalent (or successful completion of the UTSC Online Mathematics Preparedness Course or equivalent), and
(b.) completion of Grade 12 U/M high school biology or equivalent (or BIOA12H3 or equivalent), and
(c.) completion of a minimum of 4.0 credits, including 1.0 credit in Psychology, and
(d.) either (1) a final grade of 75% or higher in both PSYA01H3 and PSYA02H3, or (2) a final grade of 64% or higher in both PSYA01H3 and PSYA02H3, and a final grade of 72% or higher in [PSYA06H3 or PSYB06H3 or (PSYB07H3) or equivalent] and PSYB70H3.

Application for admission will be made to the Office of the Registrar through ACORN, during the Limited Program application periods. For more information on applying to limited enrolment programs, please visit the Office of the Registrar website.

Description of Proposed Changes:

1. Enrollment requirements: PSYA06H3/STAB22/STAB23 added as an enrollment requirement
2. Program Requirements: The overall number of credits required for the program has increased from 12.5 to 13.0
3. Requirement 3: Statistical Methods requirement has increased from 1.0 to 1.5 credits:
(a) PSYB07H3 and PSYC08H3/C09H3 have been retired and replaced with three new statistics courses: PSYA06H3, PSYB06H3, and PSYC06H3.
(b) Clarifying language has been added to encourage Department of Psychology students to select PSYA06 over other introductory statistics options at the university. Instructions to contact the Program Administrator have been added for students who are joining the program after previously completing one of the retired statistics course options.
4. Requirement 7: Removed retired (PSYC35) from program options. 5. Course title updates in requirement 10 for HLTB41H3, HLTC23H3, PHLB09H3, and PHLB18H3.

Rationale:

1. For the enrollment requirements, students have previously been able to use strong performance in PSYB07 as a second chance at program enrollment if they missed the original PSYA01/A02 grade cut-off. Since PSYB07 is now being retired, we've replaced it with [PSYA06 or PSYB06] in the enrollment requirements. This allows strong performance in either of these two new statistics courses to contribute to potential enrollment in the program.
2. As part of full revamp of the Statistics courses in the Department of Psychology, existing statistics courses PSYB07, PSYC08, and PSYC09 are being retired, and replaced with three new courses: PSYA06, PSYB06, and PSYC06. Students in our Specialist programs will be required to take all three courses in this sequence. This increases the overall credit value of the program by 0.5, since students were previously only required to take two statistics courses.
3. The increase in the statistical requirement by 0.5 credits has been applied here
(a) Retired courses removed or added round brackets, and new statistics courses added
(b) PSYA06 will cover core introductory topics like descriptive statistics, probability, and hypothesis testing, making room in PSYB06 for deeper analysis, applied work, and skill development. Together, these courses will play a foundational role in preparing students for upper-year courses in Psychology, where more advanced data analysis techniques are introduced. To provide clarity during this period of transition, a note has been added instructing students to contact the Program Administrator if they've taken the retired PSYB07 course. Since PSYB07H3 is positioned somewhere between the new PSYA06 and PSYB06 in terms of content, there is no simple way to indicate how PSYB07H3 interacts with the new version of the program. Students who have taken the retired course can reach out to the Program Administrator for next steps. Namely, an exception will be made to allow PSYB07H3 in place of both PSYA06+B06; however, the student will be instructed to take an extra PSY course beyond their program requirements to make up the credit discrepancy.
4. (PSYC35H3) has long been retired and no longer needed in the program requirements.
5. Course title updates in requirement 10 for HLTB41H3, HLTC23H3, PHLB09H3 and PHLB18H3 have been made to ensure accuracy throughout the calendar.

Impact:

None

Consultations:

DCC approved Oct 9, 2025
RO Approval (Lindsey T.): Oct 27, 2025
Department of Health and Society (Lee B. for Sean R): November 25, 2025
Department of Philosophy (Lee B. for Jason F.): November 25, 2025

Resource Implications:

None

Proposal Status:

Under Review

SCSPE1272: SPECIALIST PROGRAM IN NEUROSCIENCE - Cellular/Molecular Stream (SCIENCE)

Completion Requirements:

Previous:

Program Requirements
This program requires students to complete 6.5 credits in core courses that are common to all streams. Students will complete a further 6.5 credits, specific to the Cellular/Molecular stream, for a total of 13.0 credits.

CORE (6.5 credits)

1. Scientific Foundations (3.5 credits):
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms *or* CHMA12H3 Advanced General Chemistry]
[MATA29H3 Calculus I for the Life Sciences *or* MATA30H3 Calculus I for Physical Sciences]
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Neuroscience Foundations (3.0 credits):
BIOB10H3 Cell Biology
NROB60H3 Neuroanatomy Laboratory
NROB61H3 Neurophysiology
PSYB55H3 Introduction to Cognitive Neuroscience
[PSYB07H3 Data Analysis in Psychology *or* STAB22H3 Statistics I]
PSYB70H3 Methods in Psychological Science

CELLULAR/MOLECULAR STREAM (6.5 credits)

3. Quantitative Logic and Reasoning (1.0 credit):
PSYC08H3 Advanced Data Analysis in Psychology
and one of the following:
CSCA20H3 Introduction to Programming

[PHYA10H3 Physics I for the Physical Sciences *or* PHYA11H3 Physics I for the Life Sciences]

4. Advanced Foundations (2.0 credits)
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
CHMB41H3 Organic Chemistry I
NROC36H3 Molecular Neuroscience
NROC69H3 Synaptic Organization & Physiology of the Brain

5. Stream-specific electives (1.0 credit)
two of the following:
BIOC12H3 Biochemistry I: Proteins & Enzymes
BIOC13H3 Biochemistry II: Bioenergetics & Metabolism
BIOC14H3 Genes, Environment and Behaviour
BIOC44H3/(NROC34H3) Neuroethology
CHMB42H3 Organic Chemistry II
NROC61H3 Learning and Motivation
NROC64H3 Sensorimotor Systems
PSYC62H3 Drugs and the Brain

6. Breadth in Neuroscience (1.0 credit):
two of the following:
BIOC44H3/(NROC34H3)* Neuroethology
NROC61H3* Learning and Motivation
NROC64H3* Sensorimotor Systems
PSYB51H3 Introduction to Perception
PSYC51H3 Cognitive Neuroscience of Vision
PSYC52H3 Cognitive Neuroscience of Attention
PSYC53H3 Cognitive Neuroscience of Memory
PSYC54H3 Auditory Cognitive Neuroscience
PSYC57H3 Cognitive Neuroscience of Decision Making
PSYC59H3 Cognitive Neuroscience of Language
**only if not used to complete component 5 of the requirements*

7. Laboratory Course (0.5 credit):
one of the following:
BIOB12H3 Cell and Molecular Biology Laboratory
NROC60H3 Cellular Neuroscience Laboratory *(recommended)*
NROC63H3 Behavioural Neuroscience Laboratory
NROC90H3 Supervised Study in Neuroscience
NROC93H3 Supervised Study in Neuroscience

8. Capstone Courses (1.0 credit):
two of the following:
BIOD06H3 Advanced Topics in Neural Basis of Motor Control
BIOD07H3 Advanced Topics and Methods in Neural Circuit Analysis
BIOD08H3/(NROD08H3) Theoretical Neuroscience
BIOD65H3 Pathologies of the Nervous System
NROD60H3 Current Topics in Neuroscience
NROD61H3 Emotional Learning Circuits
NROD66H3 Drug Addiction
NROD67H3 Neuroscience of Aging
NROD98Y3 Thesis in Neuroscience*
PSYD66H3 Current Topics in Human Brain & Behaviour
**Note: only 0.5 credit of NROD98Y3 can be counted towards the Capstone course requirement*

New:

Program Requirements
This program requires students to complete 7.0 credits in core courses that are common to all streams. Students will complete a further 6.5 credits, specific to the Cellular/Molecular stream, for a total of 13.5 credits.

CORE (7.0 credits)

1. Scientific Foundations (4.0 credits):
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms *or* CHMA12H3 Advanced General Chemistry]
[MATA29H3 Calculus I for the Life Sciences *or* MATA30H3 Calculus I for Physical Sciences]
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology
and
0.5 from the following:

PSYA06H3 Introduction to Data Analysis for Scientific Literacy*
STAB22H3 Statistics I
STAB23H3 Introduction to Statistics for the Social Sciences

Notes:
*1. Department of Psychology students are strongly encouraged to choose the PSYA06H3 course option.
2. For students who have completed the retired (PSYB07H3) course, please contact the Undergraduate Program Administrator for guidance.

2. Neuroscience Foundations (3.0 credits):
BIOB10H3 Cell Biology
NROB60H3 Neuroanatomy Laboratory
NROB61H3 Neurophysiology
PSYB06H3 Applied Statistical Analysis for Psychology & Neuroscience
PSYB55H3 Introduction to Cognitive Neuroscience
PSYB70H3 Methods in Psychological Science

CELLULAR/MOLECULAR STREAM (6.5 credits)

3. Quantitative Logic and Reasoning (1.0 credit):
0.5 credit from the following:
PSYC06H3 Advanced Statistical Analysis for Psychology & Neuroscience
(PSYC08H3) Advanced Data Analysis in Psychology
(PSYC09H3) Applied Multiple Regression in Psychology
and
0.5 credit from the following:
CSCA20H3 Introduction to Programming
PHYA10H3 Physics I for the Physical Sciences
PHYA11H3 Physics I for the Life Sciences

4. Advanced Foundations (2.0 credits)
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
CHMB41H3 Organic Chemistry I
NROC36H3 Molecular Neuroscience
NROC69H3 Synaptic Organization & Physiology of the Brain

5. Stream-specific electives (1.0 credit)
1.0 credit from the following:
BIOC12H3 Biochemistry I: Proteins & Enzymes
BIOC13H3 Biochemistry II: Bioenergetics & Metabolism
BIOC14H3 Genes, Environment and Behaviour
BIOC44H3/(NROC34H3) Neuroethology
CHMB42H3 Organic Chemistry II
NROC61H3 Learning and Motivation
NROC64H3 Sensorimotor Systems
PSYC62H3 Drugs and the Brain

6. Breadth in Neuroscience (1.0 credit):
1.0 credits from the following:
BIOC44H3/(NROC34H3)* Neuroethology
NROC61H3* Learning and Motivation
NROC64H3* Sensorimotor Systems
PSYB51H3 Introduction to Perception
PSYC51H3 Cognitive Neuroscience of Vision
PSYC52H3 Cognitive Neuroscience of Attention
PSYC53H3 Cognitive Neuroscience of Memory
PSYC54H3 Auditory Cognitive Neuroscience
PSYC57H3 Cognitive Neuroscience of Decision Making
PSYC59H3 Cognitive Neuroscience of Language
**only if not used to complete component 5 of the requirements*

7. Laboratory Course (0.5 credit):
0.5 credits from the following:
BIOB12H3 Cell and Molecular Biology Laboratory
NROC60H3 Cellular Neuroscience Laboratory *(recommended)*
NROC63H3 Behavioural Neuroscience Laboratory
NROC90H3 Supervised Study in Neuroscience
NROC93H3 Supervised Study in Neuroscience

8. Capstone Courses (1.0 credit):
1.0 credit from the following, of which at least 0.5 credit must be from BIO or NRO:
BIOD06H3 Advanced Topics in Neural Basis of Motor Control
BIOD07H3 Advanced Topics and Methods in Neural Circuit Analysis
BIOD08H3/(NROD08H3) Theoretical Neuroscience
BIOD65H3 Pathologies of the Nervous System
NROD60H3 Current Topics in Neuroscience
NROD61H3 Emotional Learning Circuits

(NROD66H3) Drug Addiction
NROD67H3 Neuroscience of Aging
NROD98Y3 Thesis in Neuroscience*
PSYD12H3 Me and I: The Self in Mind and Brain
PSYD51H3 Current Topics in Perception
PSYD54H3 Current Topics in Visual Recognition
PSYD62H3 Neuroscience of Pleasure and Reward
PSYD66H3 Current Topics in Human Brain & Behaviour

*Note: only 0.5 credit of NROD98Y3 can be counted towards the Capstone course requirement

Enrolment Requirements:

Previous:

Enrolment in the Program is limited. The admission requirements may change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enrol in backup programs.

Enrolment takes place in two stages:

Stage 1:
The minimum requirements to be considered for admission are:

1. Completion of 4.0 credits, including BIOA01H3, BIOA02H3, CHMA10H3, [CHMA11H3 or CHMA12H3], PSYA01H3, and PSYA02H3

2. A CGPA of 2.75 or higher.

Students will typically apply to Stage 1 at the end of their first year of study. **When applying, note that the Subject POSt code for Stage 1 is SCSPE1072.** Application for admission will be made to the Office of the Registrar through ACORN, during the Limited Program application periods. For more information on applying to limited enrolment programs, please visit the Office of the Registrar website.

Stage 2:
To complete the program, students must choose one of the three available "Stage 2" streams: the Cognitive Stream, the Cellular/Molecular Stream, or the Systems/Behavioural Stream. Students will typically apply to Stage 2 at the end of their second year of study.

The minimum requirements to be considered for stream admission are:

1. Completion of 10.0 credits including: all Stage 1 course requirements, [MATA29H3 or MATA30H3], and all *Neuroscience Foundations* courses:
BIOB10H3, NROB60H3, NROB61H3, [PSYB07H3 or STAB22H3], PSYB55H3, PSYB70H3

2. Completion of 1.0 credit in *Stream Foundations* courses from the following list*:
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
CSCA20H3 Introduction to Programming
CHMB41H3 Organic Chemistry I
CHMB42H3 Organic Chemistry II
MATA23H3 Linear Algebra
[PHYA10H3 Physics I for the Physical Sciences or PHYA11H3 Physics I for the Life Sciences]
PSYB51H3 Introduction to Perception
PSYC08H3 Advanced Data Analysis in Psychology
PSYC09H3 Applied Multiple Regression in Psychology

**Note: Students are advised to exercise caution when selecting these courses since some can be applied to all three streams (BIOB11H3, CHMB41H3, PSYB51H3, PSYC08H3), but others can be applied to only one or two streams.*

3. A CGPA of 2.5 or higher.

Students who are not enrolled in the Stage 1 Neuroscience Specialist can still apply to the program at Stage 2. The minimum requirements to be considered for admission via this pathway are: completion of 10.0 credits, including all Stage 1 course requirements, [MATA29H3 or MATA30H3], all *Neuroscience Foundations* courses, and 1.0 credits from *Stream Foundations*. Students must also have achieved a CGPA of 2.5 or higher across all courses, and a CGPA of 2.75 or higher across the *Neuroscience Foundations* and *Stream Foundations* courses.

Application for admission to a Stage 2 stream will be made to the Office of the Registrar through ACORN, during the Limited Program application periods.

New:

Enrolment in the Program is limited. The admission requirements may change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enrol in backup programs.

Enrolment takes place in two stages:

Stage 1:
The minimum requirements to be considered for admission are:

1. Completion of 4.0 credits, including BIOA01H3, BIOA02H3, CHMA10H3, [CHMA11H3 or CHMA12H3], PSYA01H3, PSYA02H3, and [PSYA06H3 or STAB22H3 or STAB23H3]

2. A CGPA of 2.75 or higher.

Students will typically apply to Stage 1 at the end of their first year of study. **When applying, note that the Subject POSt code for Stage 1 is SCSPE1072.** Application for admission will be made to the Office of the Registrar through ACORN, during the Limited Program application periods. For more information on applying to limited enrolment programs, please visit the Office of the Registrar website.

Stage 2:
To complete the program, students must choose one of the three available "Stage 2" streams: the Cognitive Stream, the Cellular/Molecular Stream, or the Systems/Behavioural Stream. Students will typically apply to Stage 2 at the end of their second year of study.

The minimum requirements to be considered for stream admission are:

1. Completion of 10.0 credits including: all Stage 1 course requirements, and all of: BIOB10H3, [MATA29H3 or MATA30H3], NROB60H3, NROB61H3, [PSYB06H3 or (PSYB07H3) or STAB22H3*], PSYB55H3, and PSYB70H3

*Note: Beginning in Fall 2027, STAB22H3 will no longer be accepted toward the statistics requirement for Stage 2. If you are intending to join the Neuroscience Specialist in Fall 2027 or beyond, please plan accordingly and complete PSYB06H3.

2. Completion of 1.0 credit in *Stream Foundations* courses from the following list*:
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
CSCA20H3 Introduction to Programming
CHMB41H3 Organic Chemistry I
CHMB42H3 Organic Chemistry II
MATA23H3 Linear Algebra
[PHYA10H3 Physics I for the Physical Sciences or PHYA11H3 Physics I for the Life Sciences]
PSYB51H3 Introduction to Perception
PSYC06H3 Advanced Statistical Analysis for Psychology & Neuroscience
(PSYC08H3) Advanced Data Analysis in Psychology
(PSYC09H3) Applied Multiple Regression in Psychology

*Note: Students are advised to exercise caution when selecting these courses since some can be applied to all three streams (BIOB11H3, CHMB41H3, PSYB51H3, PSYC06H3), but others can be applied to only one or two streams.

3. A CGPA of 2.5 or higher.

Students who are not enrolled in the Stage 1 Neuroscience Specialist can still apply to the program at Stage 2. The minimum requirements to be considered for admission via this pathway are: completion of 10.0 credits, including all *Scientific Foundations* and *Neuroscience Foundations* courses, and 1.0 credits from *Stream Foundations*. Students must also have achieved a CGPA of 2.5 or higher across all courses, and a CGPA of 2.75 or higher across the *Neuroscience Foundations* and *Stream Foundations* courses.

Application for admission to a Stage 2 stream will be made to the Office of the Registrar through ACORN, during the Limited Program application periods.

Description of Proposed Changes:
1. Enrollment requirements: PSYA06/STAB22/STAB23 added as an enrollment requirement in Stage1. Retired PSYB07 removed from Stage 2 enrollment requirements; new PSYB06 course added. Also added PYC06H3 and placed round brackets on retired PSYC08H3 and PSYC09H3. Lastly, added a note about STAB22H3 future update
2. Program requirements: Overall number of credits increased from 13.5 to 14.0 credits
3. Requirement 1: Increased credit requirement by 0.5 credits.
(a) PSYA06/STAB22/STAB23 added to Scientific Foundations requirement
(b) Clarifying language has been added to encourage Department of Psychology students to select PSYA06 over other introductory statistics options at the university. Instructions to contact the Program Administrator have been added for students who are joining the program after previously completing one of the retired statistics course options.
4. Requirement 2: Retired (PSYB07) removed and replaced with PSYB06 in Neuroscience Foundations
5. Requirement 3: Retirement of (PSYC08) and (PSYC09) noted and replaced with PSYC06 in Quantitative Logic and Reasoning
6. Requirement 8: New course PSYD12 added to Capstone Courses; Retirement of NROD66 noted; Existing courses PSYD51, PSYD54, PSYD62 added to Capstone Courses

Rationale:
1. The department has added the new PSYA06 (or equivalent) course to the enrollment requirements for Neuroscience, because taking this course in the first year is critical for progression through the program promptly. PSYB06 has been added as a requirement for Stage 2, which will keep students on track for their upper-year NRO courses. For a period of one year, the department will continue to allow STAB22H3 toward the Stage 2 requirements, to account for students joining the program in Fall 2026 who will not yet have had a chance to take PSYB06. Finally, the retirement of PSYC08 and PSYC09 has been indicated, and replaced with the new course PSYC06.
2. As part of a full revamp of the Statistics courses in the Department of Psychology, existing statistics courses PSYB07, PSYC08, and PSYC09 are being retired, and replaced with three new courses: PSYA06, PSYB06, and PSYC06. Students in our Specialist programs will be required to take all three courses in this new sequence. This increases the program's overall credit value by 0.5, since students were previously required to take only two statistics courses. Together, these three courses will better prepare students in the skills needed to conduct neuroscience and psychology research.
3. Program Requirements: The increase in statistics of 0.5 credits has been applied here
(a) The required statistics course options have been added
(b) To provide clarity during this period of transition, a note has been added instructing students to contact the Program Administrator if they've taken the retired PSYB07 course. Since PSYB07 is positioned somewhere between the new PSYA06 and PSYB06 in terms of content, there is no simple way to indicate

how PSYB07 interacts with the new version of the program. Students who have taken the retired course can reach out to the Program Administrator for next steps. Namely, an exception will be made to allow PSYB07 in place of both PSYA06+B06, however, the student will be instructed to take an extra PSY course beyond their program requirements to make up the credit discrepancy.
4./5. Noted the retirement of PSYB07/C08/c09 and added the new courses as follows: PSYB06 to Neuroscience Foundations, and PSYC06 to Quantitative and Methodological Skills to ensure consistency throughout the calendar
6. Capstone options have been updated to include the new course PSYD12. The content of PSYD12 is based on material that Prof. Thiruchselvam has taught under the PSYD66 (Current Topics in Human Brain and Behaviour) umbrella for the past 4 years and is appropriate for Neuroscience students. PSYD51H3, PSYD62H3 and PSYD54H3 are also being included to give students more options. These courses are based on cognitive neuroscience and are relevant to students in the Neuroscience Specialist program. A clarification has been added to require that one of the capstone courses must come from BIO or NRO to ensure students complete at least one capstone course that leans toward the more biological/animal model side of the neuroscience spectrum.

Impact:
None

Consultations:
DCC Approval: Oct 9, 2025
Department of Biological Sciences [Shelley Brunt, Jen Campbell]: Oct 20, 2025
RO Approval (Lindsey T.): Nov 4, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCSPE1172: SPECIALIST PROGRAM IN NEUROSCIENCE - Cognitive Stream (SCIENCE)

Completion Requirements:

Previous:

Program Requirements
This program requires students to complete 6.5 credits in core courses that are common to all streams. Students will complete a further 7.0 credits, specific to the Cognitive stream, for a total of 13.5 credits.

CORE (6.5 credits)

1. Scientific Foundations (3.5 credits):
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms *or* CHMA12H3 Advanced General Chemistry]
[MATA29H3 Calculus I for the Life Sciences *or* MATA30H3 Calculus I for Physical Sciences]
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Neuroscience Foundations (3.0 credits):
BIOB10H3 Cell Biology
NROB60H3 Neuroanatomy Laboratory
NROB61H3 Neurophysiology
PSYB55H3 Introduction to Cognitive Neuroscience
[PSYB07H3 Data Analysis in Psychology *or* STAB22H3 Statistics I]
PSYB70H3 Methods in Psychological Science

COGNITIVE STREAM (7.0 credits)

3. Quantitative and Methodological Skills (1.5 credits):
PSYC02H3 Scientific Communication in Psychology
PSYC70H3 Advanced Research Methods Laboratory
[PSYC08H3 Advanced Data Analysis in Psychology *or* PSYC09H3 Applied Multiple Regression in Psychology]

4. Advanced Programming (1.5 credits)
MATA23H3 Linear Algebra
[[CSCA08H3 Introduction to Computer Science I *and* CSCA48H3 Introduction to Computer Science II]* *or* [PSYB03H3 Introduction to Computers in Psychological Research *and* PSYC03H3 Introduction to Computers in Psychological Research: Advanced Topics]]
**Note: students are strongly advised to choose the [PSYB03H3 and PSYC03H3] pairing.*

5. Advanced Foundations (1.5 credits)
PSYB51H3 Introduction to Perception
and two of the following:
PSYC51H3 Cognitive Neuroscience of Vision
PSYC52H3 Cognitive Neuroscience of Attention
PSYC53H3 Cognitive Neuroscience of Memory
PSYC54H3 Auditory Cognitive Neuroscience
PSYC57H3 Cognitive Neuroscience of Decision Making
PSYC59H3 Cognitive Neuroscience of Language

6. Breadth in Neuroscience (1.0 credit):

two of the following (at least 0.5 credit must be at the C-level):
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOC44H3/(NROC34H3) Neuroethology
CHMB41H3 Organic Chemistry I
NROC36H3 Molecular Neuroscience
NROC61H3 Learning and Motivation
NROC64H3 Sensorimotor Systems
NROC69H3 Synaptic Organization & Physiology of the Brain

7. Laboratory Course (0.5 credit):
one of the following:
NROC90H3 Supervised Study in Neuroscience
NROC93H3 Supervised Study in Neuroscience
PSYC75H3 Cognitive Psychology Laboratory
PSYC76H3 Brain Imaging Laboratory

8. Capstone Courses (1.0 credit):
two of the following:
PSYD17H3 Social Neuroscience
PSYD50H3 Current Topics in Memory and Cognition
PSYD51H3 Current Topics in Perception
PSYD54H3 Current Topics in Visual Recognition
PSYD55H3 Functional Magnetic Resonance Imaging Laboratory
PSYD62H3 Neuroscience of Pleasure and Reward
PSYD66H3 Current Topics in Human Brain & Behaviour
NROD98Y3 Thesis in Neuroscience*
**Note: only 0.5 credit of NROD98Y3 can be counted towards the Capstone course requirement*

New:

Program Requirements
This program requires students to complete 7.0 credits in core courses that are common to all streams. Students will complete a further 7.0 credits, specific to the Cognitive stream, for a total of 14.0 credits.

CORE (7.0 credits)

1. Scientific Foundations (4.0 credits):
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms *or* CHMA12H3 Advanced General Chemistry]
[MATA29H3 Calculus I for the Life Sciences *or* MATA30H3 Calculus I for Physical Sciences]
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology
and
0.5 credit from the following:
PSYA06H3 Introduction to Data Analysis for Scientific Literacy*
STAB22H3 Statistics I
STAB23H3 Introduction to Statistics for the Social Sciences

Notes:
*1. Department of Psychology students are strongly encouraged to choose the PSYA06H3 course option.
2. For students who have completed the retired (PSYB07H3) course, please contact the Undergraduate Program Administrator for guidance.

2. Neuroscience Foundations (3.0 credits):
BIOB10H3 Cell Biology
NROB60H3 Neuroanatomy Laboratory
NROB61H3 Neurophysiology
PSYB06H3 Applied Statistical Analysis for Psychology & Neuroscience
PSYB55H3 Introduction to Cognitive Neuroscience
PSYB70H3 Methods in Psychological Science

COGNITIVE STREAM (7.0 credits)

3. Quantitative and Methodological Skills (1.5 credits):
PSYC02H3 Scientific Communication in Psychology
PSYC70H3 Advanced Research Methods Laboratory
and 0.5 credit from the following:
PSYC06H3 Advanced Statistical Analysis for Psychology & Neuroscience
(PSYC08H3) Advanced Data Analysis in Psychology
(PSYC09H3) Applied Multiple Regression in Psychology

4. Advanced Programming (1.5 credits)

MATA23H3 Linear Algebra
PSYB03H3 Introduction to Computers in Psychological Research
PSYC03H3 Introduction to Computers in Psychological Research: Advanced Topics

5. Advanced Foundations (1.5 credits)
PSYB51H3 Introduction to Perception
and
1.0 credit from the following:
PSYC51H3 Cognitive Neuroscience of Vision
PSYC52H3 Cognitive Neuroscience of Attention
PSYC53H3 Cognitive Neuroscience of Memory
PSYC54H3 Auditory Cognitive Neuroscience
PSYC57H3 Cognitive Neuroscience of Decision Making
PSYC59H3 Cognitive Neuroscience of Language

6. Breadth in Neuroscience (1.0 credit):
1.0 credit from the following (at least 0.5 credit must be at the C-level):
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOC44H3/(NROC34H3) Neuroethology
CHMB41H3 Organic Chemistry I
NROC36H3 Molecular Neuroscience
NROC61H3 Learning and Motivation
NROC64H3 Sensorimotor Systems
NROC69H3 Synaptic Organization & Physiology of the Brain

7. Laboratory Course (0.5 credit):
0.5 credit from the following:
NROC90H3 Supervised Study in Neuroscience
NROC93H3 Supervised Study in Neuroscience
PSYC75H3 Cognitive Psychology Laboratory
PSYC76H3 Brain Imaging Laboratory

8. Capstone Courses (1.0 credit):
1.0 credit from the following:
PSYD12H3 Me and I: The Self in Mind and Brain
PSYD17H3 Social Neuroscience
PSYD50H3 Current Topics in Memory and Cognition
PSYD51H3 Current Topics in Perception
PSYD54H3 Current Topics in Visual Recognition
PSYD55H3 Functional Magnetic Resonance Imaging Laboratory
PSYD62H3 Neuroscience of Pleasure and Reward
PSYD66H3 Current Topics in Human Brain & Behaviour
NROD98Y3 Thesis in Neuroscience*
*Note: only 0.5 credit of NROD98Y3 can be counted towards the Capstone course requirement

Enrolment Requirements:

Previous:

Enrolment in the Program is limited. The admission requirements may change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enrol in backup programs.

Enrolment takes place in two stages:

Stage 1:
The minimum requirements to be considered for admission are:

1. Completion of 4.0 credits, including BIOA01H3, BIOA02H3, CHMA10H3, [CHMA11H3 or CHMA12H3], PSYA01H3, and PSYA02H3

2. A CGPA of 2.75 or higher.

Students will typically apply to Stage 1 at the end of their first year of study. **When applying, note that the Subject POSt code for Stage 1 is SCSPE1072.** Application for admission will be made to the Office of the Registrar through ACORN, during the Limited Program application periods. For more information on applying to limited enrolment programs, please visit the Office of the Registrar website.

Stage 2:
To complete the program, students must choose one of the three available "Stage 2" streams: the Cognitive Stream, the Cellular/Molecular Stream, or the Systems/Behavioural Stream. Students will typically apply to Stage 2 at the end of their second year of study.

The minimum requirements to be considered for stream admission are:

1. Completion of 10.0 credits including: all Stage 1 course requirements, [MATA29H3 or MATA30H3], and all *Neuroscience Foundations* courses: BIOB10H3, NROB60H3, NROB61H3, [PSYB07H3 or STAB22H3], PSYB55H3, PSYB70H3

2. Completion of 1.0 credit in *Stream Foundations* courses from the following list*:

BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
CSCA20H3 Introduction to Programming
CHMB41H3 Organic Chemistry I
CHMB42H3 Organic Chemistry II
MATA23H3 Linear Algebra
[PHYA10H3 Physics I for the Physical Sciences or PHYA11H3 Physics I for the Life Sciences]
PSYB51H3 Introduction to Perception
PSYC08H3 Advanced Data Analysis in Psychology
PSYC09H3 Applied Multiple Regression in Psychology

**Note: Students are advised to exercise caution when selecting these courses since some can be applied to all three streams (BIOB11H3, CHMB41H3, PSYB51H3, PSYC08H3), but others can be applied to only one or two streams.*

3. A CGPA of 2.5 or higher.

Students who are not enrolled in the Stage 1 Neuroscience Specialist can still apply to the program at Stage 2. The minimum requirements to be considered for admission via this pathway are: completion of 10.0 credits, including all Stage 1 course requirements, [MATA29H3 or MATA30H3], all *Neuroscience Foundations* courses, and 1.0 credits from *Stream Foundations*. Students must also have achieved a CGPA of 2.5 or higher across all courses, and a CGPA of 2.75 or higher across the *Neuroscience Foundations* and *Stream Foundations* courses.

Application for admission to a Stage 2 stream will be made to the Office of the Registrar through ACORN, during the Limited Program application periods.

New:

Enrolment in the Program is limited. The admission requirements may change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enrol in backup programs.

Enrolment takes place in two stages:

Stage 1:
The minimum requirements to be considered for admission are:

1. Completion of 4.0 credits, including BIOA01H3, BIOA02H3, CHMA10H3, [CHMA11H3 or CHMA12H3], PSYA01H3, PSYA02H3, and [PSYA06H3 or STAB22H3 or STAB23H3]

2. A CGPA of 2.75 or higher.

Students will typically apply to Stage 1 at the end of their first year of study. **When applying, note that the Subject POSt code for Stage 1 is SCSPE1072.** Application for admission will be made to the Office of the Registrar through ACORN, during the Limited Program application periods. For more information on applying to limited enrolment programs, please visit the Office of the Registrar website.

Stage 2:
To complete the program, students must choose one of the three available "Stage 2" streams: the Cognitive Stream, the Cellular/Molecular Stream, or the Systems/Behavioural Stream. Students will typically apply to Stage 2 at the end of their second year of study.

The minimum requirements to be considered for stream admission are:

1. Completion of 10.0 credits including: all Stage 1 course requirements, and all of: BIOB10H3, [MATA29H3 or MATA30H3], NROB60H3, NROB61H3, [PSYB06H3 or (PSYB07H3) or STAB22H3*], PSYB55H3, and PSYB70H3

*Note: Beginning in Fall 2027, STAB22H3 will no longer be accepted toward the statistics requirement for Stage 2. If you are intending to join the Neuroscience Specialist in Fall 2027 or beyond, please plan accordingly and complete PSYB06H3.

2. Completion of 1.0 credit in *Stream Foundations* courses from the following list*:
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
CSCA20H3 Introduction to Programming
CHMB41H3 Organic Chemistry I
CHMB42H3 Organic Chemistry II
MATA23H3 Linear Algebra
[PHYA10H3 Physics I for the Physical Sciences or PHYA11H3 Physics I for the Life Sciences]
PSYB51H3 Introduction to Perception
PSYC06H3 Advanced Statistical Analysis for Psychology & Neuroscience
(PSYC08H3) Advanced Data Analysis in Psychology
(PSYC09H3) Applied Multiple Regression in Psychology

*Note: Students are advised to exercise caution when selecting these courses since some can be applied to all three streams (BIOB11H3, CHMB41H3, PSYB51H3, PSYC06H3), but others can be applied to only one or two streams.

3. A CGPA of 2.5 or higher.

Students who are not enrolled in the Stage 1 Neuroscience Specialist can still apply to the program at Stage 2. The minimum requirements to be considered for admission via this pathway are: completion of 10.0 credits, including all *Scientific Foundations* and *Neuroscience Foundations* courses, and 1.0 credits from

Stream Foundations. Students must also have achieved a CGPA of 2.5 or higher across all courses, and a CGPA of 2.75 or higher across the *Neuroscience Foundations* and *Stream Foundations* courses.

Application for admission to a Stage 2 stream will be made to the Office of the Registrar through ACORN, during the Limited Program application periods.

Description of Proposed Changes:

1. Enrollment requirements: PSYA06/STAB22/STAB23 added as an enrollment requirement in Stage1. Retired PSYB07 removed from Stage 2 enrollment requirements; new PSYB06 course added. Also added PYC06H3 and placed round brackets on retired PSYC08H3 and PSYC09H3. Lastly, added a note about STAB22H3 future update
2. Program requirements: Overall number of credits increased from 13.5 to 14.0 credits
3. Requirement 1: Increased credit requirement by 0.5 credits.
(a) PSYA06/STAB22/STAB23 added to Scientific Foundations requirement
(b) Clarifying language has been added to encourage Department of Psychology students to select PSYA06 over other introductory statistics options at the university. Instructions for contacting the Program Administrator have been added for students joining the program after completing one of the retired statistics course options.
4. Requirement 2: Retired (PSYB07) removed and replaced with PSYB06 in Neuroscience Foundations
5. Requirement 3: Retirement of (PSYC08) and (PSYC09) noted and replaced with PSYC06 in the Quantitative and Methodological Skills requirement
6. Requirement 4: CSCA08 and CSCA48 removed from Advanced Programming 5, and note removed
7. Requirement 8: New course PSYD12 added to Capstone Courses

Rationale:

1. The department has added the new PSYA06 (or equivalent) course to the enrollment requirements for Neuroscience, because taking this course in the first year is critical for progression through the program promptly. PSYB06 has been added as a requirement for Stage 2, which will keep students on track for their upper-year NRO courses. For a period of one year, the department will continue to allow STAB22H3 toward the Stage 2 requirements, to account for students joining the program in Fall 2026 who will not yet have had a chance to take PSYB06. Finally, the retirement of PSYC08 and PSYC09 has been indicated, and replaced with the new course PSYC06.
2. As part of a full revamp of the Statistics courses in the Department of Psychology, existing statistics courses PSYB07, PSYC08, and PSYC09 are being retired, and replaced with three new courses: PSYA06, PSYB06, and PSYC06. Students in our Specialist programs will be required to take all three courses in this new sequence. This increases the program's overall credit value by 0.5, since students were previously required to take only two statistics courses. Together, these three courses will better prepare students in the skills needed to conduct neuroscience and psychology research.
3. Program Requirements: The increase in statistics of 0.5 credits has been applied here
(a) The required statistics course options have been added
(b) To provide clarity during this period of transition, a note has been added instructing students to contact the Program Administrator if they've taken the retired PSYB07 course. Since PSYB07 is positioned somewhere between the new PSYA06 and PSYB06 in terms of content, there is no simple way to indicate how PSYB07 interacts with the new version of the program. Students who have taken the retired course can reach out to the Program Administrator for next steps. Namely, an exception will be made to allow PSYB07 in place of both PSYA06+B06; however, the student will be instructed to take an extra PSY course beyond their program requirements to make up the credit discrepancy. (
4./5. Noted the retirement of PSYB07/C08/c09 and added the new courses as follows: PSYB06 to Neuroscience Foundations, and PSYC06 to Quantitative and Methodological Skills.
6. CSCA08 and CSCA48 have been removed from program options, as per guidance from the Registrar's Office. CMS is no longer accommodating neuroscience students into these courses.
7. Capstone options have been updated to include the new course PSYD12. The content of PSYD12 is based on material that Prof. Thiruchselvam has taught under the PSYD66 (Current Topics in Human Brain and Behaviour) umbrella for the past 4 years, and is appropriate for Neuroscience students.

Impact:

None

Consultations:

DCC Approval: Oct 9, 2025
Department of CMS and Registrar's Office [Naureen Nizam, Shelby Verboven, Anya Tafliovich, Mike Molloy]: May 15, 2025
Department of Biological Sciences [Shelley Brunt, Jen Campbell]: Oct 20, 2025

Resource Implications:

None

Proposal Status:

Under Review

SCSPE1372: SPECIALIST PROGRAM IN NEUROSCIENCE - Systems/Behavioural Stream (SCIENCE)

Completion Requirements:

Previous:

Program Requirements
This program requires students to complete 6.5 credits in core courses that are common to all streams. Students will complete a further 6.5 credits, specific to the Systems/Behavioural stream, for a total of 13.0 credits.

CORE (6.5 credits)

1. Scientific Foundations (3.5 credits):
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms *or* CHMA12H3 Advanced General Chemistry]
[MATA29H3 Calculus I for the Life Sciences *or* MATA30H3 Calculus I for Physical Sciences]
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Neuroscience Foundations (3.0 credits):
BIOB10H3 Cell Biology
NROB60H3 Neuroanatomy Laboratory
NROB61H3 Neurophysiology
PSYB55H3 Introduction to Cognitive Neuroscience
[PSYB07H3 Data Analysis in Psychology *or* STAB22H3 Statistics I]
PSYB70H3 Methods in Psychological Science

SYSTEMS/BEHAVIOURAL STREAM (6.5 credits)

3. Quantitative Logic and Reasoning (1.0 credit):
PSYC08H3 Advanced Data Analysis in Psychology
and one of the following:
CSCA20H3 Introduction to Programming
[PHYA10H3 Physics I for the Physical Sciences *or* PHYA11H3 Physics I for the Life Sciences]

4. Advanced Foundations (2.0 credits)
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
NROC61H3 Learning and Motivation
and two of the following:
BIOC44H3/(NROC34H3) Neuroethology
NROC64H3 Sensorimotor Systems
NROC69H3 Synaptic Organization & Physiology of the Brain

5. Stream-specific electives (1.0 credit)
two of the following:
BIOC14H3 Genes, Environment and Behaviour
CHMB41H3 Organic Chemistry I
CHMB42H3 Organic Chemistry II
NROC36H3 Molecular Neuroscience
PSYC62H3 Drugs and the Brain

6. Breadth in Neuroscience (1.0 credit):
two of the following:
CHMB41H3* Organic Chemistry I
NROC36H3* Molecular Neuroscience
NROC69H3* Synaptic Organization & Physiology of the Brain
PSYB51H3 Introduction to Perception
PSYC51H3 Cognitive Neuroscience of Vision
PSYC52H3 Cognitive Neuroscience of Attention
PSYC53H3 Cognitive Neuroscience of Memory
PSYC54H3 Auditory Cognitive Neuroscience
PSYC57H3 Cognitive Neuroscience of Decision Making
PSYC59H3 Cognitive Neuroscience of Language
**only if not used to complete components 4 or 5 of the requirements*

7. Laboratory Course (0.5 credit):
one of the following:
NROC60H3 Cellular Neuroscience Laboratory
NROC63H3 Behavioural Neuroscience Laboratory *(recommended)*
NROC90H3 Supervised Study in Neuroscience
NROC93H3 Supervised Study in Neuroscience
PSYC74H3 Human Movement Laboratory

8. Capstone Courses (1.0 credit):
two of the following:
BIOD06H3 Advanced Topics in Neural Basis of Motor Control
BIOD07H3 Advanced Topics and Methods in Neural Circuit Analysis
BIOD08H3/(NROD08H3) Theoretical Neuroscience
BIOD45H3 Animal Communication
BIOD65H3 Pathologies of the Nervous System
NROD60H3 Current Topics in Neuroscience
NROD61H3 Emotional Learning Circuits
NROD66H3 Drug Addiction
NROD67H3 Neuroscience of Aging
NROD98Y3 Thesis in Neuroscience*
PSYD66H3 Current Topics in Human Brain & Behaviour
**Note: only 0.5 credit of NROD98Y3 can be counted towards the Capstone course requirement*

New:

Program Requirements
This program requires students to complete 7.0 credits in core courses that are common to all streams. Students will complete a further 6.5 credits, specific to

the Systems/Behavioural stream, for a total of 13.5 credits.

CORE (7.0 credits)

1. Scientific Foundations (4.0 credits):
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions
CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms *or* CHMA12H3 Advanced General Chemistry]
[MATA29H3 Calculus I for the Life Sciences *or* MATA30H3 Calculus I for Physical Sciences]
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology
and
0.5 credit from the following:
PSYA06H3 Introduction to Data Analysis for Scientific Literacy*
STAB22H3 Statistics I
STAB23H3 Introduction to Statistics for the Social Sciences

Notes:
*1. Department of Psychology students are strongly encouraged to choose the PSYA06H3 course option.
2. For students who have completed the retired (PSYB07H3) course, please contact the Undergraduate Program Administrator for guidance.

2. Neuroscience Foundations (3.0 credits):
BIOB10H3 Cell Biology
NROB60H3 Neuroanatomy Laboratory
NROB61H3 Neurophysiology
PSYB06H3 Applied Statistical Analysis for Psychology & Neuroscience
PSYB55H3 Introduction to Cognitive Neuroscience
PSYB70H3 Methods in Psychological Science

SYSTEMS/BEHAVIOURAL STREAM (6.5 credits)

3. Quantitative Logic and Reasoning (1.0 credit):
0.5 credit from the following:
PSYC06H3 Advanced Statistical Analysis for Psychology & Neuroscience
(PSYC08H3) Advanced Data Analysis in Psychology
(PSYC09H3) Applied Multiple Regression in Psychology
and
0.5 credit from the following:
CSCA20H3 Introduction to Programming
PHYA10H3 Physics I for the Physical Sciences
PHYA11H3 Physics I for the Life Sciences

4. Advanced Foundations (2.0 credits)
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
NROC61H3 Learning and Motivation
and
1.0 credit from the following:
BIOC44H3/(NROC34H3) Neuroethology
NROC64H3 Sensorimotor Systems
NROC69H3 Synaptic Organization & Physiology of the Brain

5. Stream-specific electives (1.0 credit)
1.0 credit from the following:
BIOC14H3 Genes, Environment and Behaviour
CHMB41H3 Organic Chemistry I
CHMB42H3 Organic Chemistry II
NROC36H3 Molecular Neuroscience
PSYC62H3 Drugs and the Brain

6. Breadth in Neuroscience (1.0 credit):
1.0 credit from the following:
CHMB41H3* Organic Chemistry I
NROC36H3* Molecular Neuroscience
NROC69H3* Synaptic Organization & Physiology of the Brain
PSYB51H3 Introduction to Perception
PSYC51H3 Cognitive Neuroscience of Vision
PSYC52H3 Cognitive Neuroscience of Attention
PSYC53H3 Cognitive Neuroscience of Memory
PSYC54H3 Auditory Cognitive Neuroscience
PSYC57H3 Cognitive Neuroscience of Decision Making
PSYC59H3 Cognitive Neuroscience of Language

*Note: only if not used to complete components 4 or 5 of the requirements

7. Laboratory Course (0.5 credit):
1.0 credit from the following:
NROC60H3 Cellular Neuroscience Laboratory
NROC63H3 Behavioural Neuroscience Laboratory *(recommended)*
NROC90H3 Supervised Study in Neuroscience
NROC93H3 Supervised Study in Neuroscience
PSYC74H3 Human Movement Laboratory

8. Capstone Courses (1.0 credit):
1.0 credit from the following, of which at least 0.5 credit must be from BIO or NRO:
BIOD06H3 Advanced Topics in Neural Basis of Motor Control
BIOD07H3 Advanced Topics and Methods in Neural Circuit Analysis
BIOD08H3/(NROD08H3) Theoretical Neuroscience
BIOD45H3 Animal Communication
BIOD65H3 Pathologies of the Nervous System
NROD60H3 Current Topics in Neuroscience
NROD61H3 Emotional Learning Circuits
(NROD66H3) Drug Addiction
NROD67H3 Neuroscience of Aging
NROD98Y3 Thesis in Neuroscience*
PSYD12H3 Me and I: The Self in Mind and Brain
PSYD51H3 Current Topics in Perception
PSYD54H3 Current Topics in Visual Recognition
PSYD62H3 Neuroscience of Pleasure and Reward
PSYD66H3 Current Topics in Human Brain & Behaviour

*Note: only 0.5 credit of NROD98Y3 can be counted towards the Capstone course requirement

Enrolment Requirements:

Previous:

Enrolment in the Program is limited. The admission requirements may change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enrol in backup programs.

Enrolment takes place in two stages:

Stage 1:
The minimum requirements to be considered for admission are:

1. Completion of 4.0 credits, including BIOA01H3, BIOA02H3, CHMA10H3, [CHMA11H3 or CHMA12H3], PSYA01H3, and PSYA02H3

2. A CGPA of 2.75 or higher.

Students will typically apply to Stage 1 at the end of their first year of study. **When applying, note that the Subject POSt code for Stage 1 is SCSPE1072.** Application for admission will be made to the Office of the Registrar through ACORN, during the Limited Program application periods. For more information on applying to limited enrolment programs, please visit the Office of the Registrar website.

Stage 2:
To complete the program, students must choose one of the three available "Stage 2" streams: the Cognitive Stream, the Cellular/Molecular Stream, or the Systems/Behavioural Stream. Students will typically apply to Stage 2 at the end of their second year of study.

The minimum requirements to be considered for stream admission are:

1. Completion of 10.0 credits including: all Stage 1 course requirements, [MATA29H3 or MATA30H3], and all *Neuroscience Foundations* courses: BIOB10H3, NROB60H3, NROB61H3, [PSYB07H3 or STAB22H3], PSYB55H3, PSYB70H3

2. Completion of 1.0 credit in *Stream Foundations* courses from the following list*:
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
CSCA20H3 Introduction to Programming
CHMB41H3 Organic Chemistry I
CHMB42H3 Organic Chemistry II
MATA23H3 Linear Algebra
[PHYA10H3 Physics I for the Physical Sciences or PHYA11H3 Physics I for the Life Sciences]
PSYB51H3 Introduction to Perception
PSYC08H3 Advanced Data Analysis in Psychology
PSYC09H3 Applied Multiple Regression in Psychology

**Note: Students are advised to exercise caution when selecting these courses since some can be applied to all three streams (BIOB11H3, CHMB41H3, PSYB51H3, PSYC08H3), but others can be applied to only one or two streams.*

3. A CGPA of 2.5 or higher.

Students who are not enrolled in the Stage 1 Neuroscience Specialist can still apply to the program at Stage 2. The minimum requirements to be considered for admission via this pathway are: completion of 10.0 credits, including all Stage 1 course requirements, [MATA29H3 or MATA30H3], all *Neuroscience Foundations* courses, and 1.0 credits from *Stream Foundations*. Students must also have achieved a CGPA of 2.5 or higher across all courses, and a CGPA of 2.75 or higher across the *Neuroscience Foundations* and *Stream Foundations* courses.

Application for admission to a Stage 2 stream will be made to the Office of the Registrar through ACORN, during the Limited Program application periods.

New:

Enrolment in the Program is limited. The admission requirements may change each year depending on available spaces and the pool of eligible applicants, and students are cautioned that there is no guarantee of admission; as such, students are strongly advised to plan to enrol in backup programs.

Enrolment takes place in two stages:

Stage 1:
The minimum requirements to be considered for admission are:

1. Completion of 4.0 credits, including BIOA01H3, BIOA02H3, CHMA10H3, [CHMA11H3 or CHMA12H3], PSYA01H3, PSYA02H3, and [PSYA06H3 or STAB22H3 or STAB23H3]

2. A CGPA of 2.75 or higher.

Students will typically apply to Stage 1 at the end of their first year of study. **When applying, note that the Subject POSt code for Stage 1 is SCSPE1072.** Application for admission will be made to the Office of the Registrar through ACORN, during the Limited Program application periods. For more information on applying to limited enrolment programs, please visit the Office of the Registrar website.

Stage 2:
To complete the program, students must choose one of the three available "Stage 2" streams: the Cognitive Stream, the Cellular/Molecular Stream, or the Systems/Behavioural Stream. Students will typically apply to Stage 2 at the end of their second year of study.

The minimum requirements to be considered for stream admission are:

1. Completion of 10.0 credits including: all Stage 1 course requirements, and all of: BIOB10H3, [MATA29H3 or MATA30H3], NROB60H3, NROB61H3, [PSYB06H3 or (PSYB07H3) or STAB22H3*], PSYB55H3, and PSYB70H3

*Note: Beginning in Fall 2027, STAB22H3 no longer be accepted toward the statistics requirement for Stage 2. If you are intending to join the Neuroscience Specialist in Fall 2027 or beyond, please plan accordingly and complete PSYB06H3.

2. Completion of 1.0 credit in *Stream Foundations* courses from the following list*:
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
CSCA20H3 Introduction to Programming
CHMB41H3 Organic Chemistry I
CHMB42H3 Organic Chemistry II
MATA23H3 Linear Algebra
[PHYA10H3 Physics I for the Physical Sciences or PHYA11H3 Physics I for the Life Sciences]
PSYB51H3 Introduction to Perception
PSYC06H3 Advanced Statistical Analysis for Psychology & Neuroscience
(PSYC08H3) Advanced Data Analysis in Psychology
(PSYC09H3) Applied Multiple Regression in Psychology

*Note: Students are advised to exercise caution when selecting these courses since some can be applied to all three streams (BIOB11H3, CHMB41H3, PSYB51H3, PSYC06H3), but others can be applied to only one or two streams.

3. A CGPA of 2.5 or higher.

Students who are not enrolled in the Stage 1 Neuroscience Specialist can still apply to the program at Stage 2. The minimum requirements to be considered for admission via this pathway are: completion of 10.0 credits, including all *Scientific Foundations* and *Neuroscience Foundations* courses, and 1.0 credits from *Stream Foundations*. Students must also have achieved a CGPA of 2.5 or higher across all courses, and a CGPA of 2.75 or higher across the *Neuroscience Foundations* and *Stream Foundations* courses.

Application for admission to a Stage 2 stream will be made to the Office of the Registrar through ACORN, during the Limited Program application periods.

Description of Proposed Changes:
1. Enrollment requirements: PSYA06/STAB22/STAB23 added as an enrollment requirement in Stage1. Retired PSYB07 removed from Stage 2 enrollment requirements; new PSYB06 course added. Also added PYC06H3 and placed round brackets on retired PSYC08H3 and PSYC09H3. Lastly, added a note about STAB22H3 future update
2. Program requirements: Overall number of credits increased from 13.5 to 14.0 credits
3. Requirement 1: Increased credit requirement by 0.5 credits.
(a) PSYA06/STAB22/STAB23 added to Scientific Foundations requirement
(b) Clarifying language has been added to encourage Department of Psychology students to select PSYA06 over other introductory statistics options at the university. Instructions for contacting the Program Administrator have been added for students joining the program after completing one of the retired statistics course options.

4. Requirement 2: Retired (PSYB07) removed and replaced with PSYB06 in Neuroscience Foundations
5. Requirement 3: Retirement of (PSYC08) and (PSYC09) noted and replaced with PSYC06 in the Quantitative and Methodological Skills requirement
6. Requirement 8: New course PSYD12 added to Capstone Courses; Retirement of NROD66 noted; Existing courses PSYD51, PSYD54, PSYD62 added to Capstone Courses

Rationale:

1. The department has added the new PSYA06 (or equivalent) course to the enrollment requirements for Neuroscience, because taking this course in the first year is critical for progression through the program promptly. PSYB06 has been added as a requirement for Stage 2, which will keep students on track for their upper-year NRO courses. For a period of one year, the department will continue to allow STAB22H3 toward the Stage 2 requirements, to account for students joining the program in Fall 2026 who will not yet have had a chance to take PSYB06. Finally, the retirement of PSYC08 and PSYC09 has been indicated, and replaced with the new course PSYC06.
2. As part of a full revamp of the Statistics courses in the Department of Psychology, existing statistics courses PSYB07, PSYC08, and PSYC09 are being retired, and replaced with three new courses: PSYA06, PSYB06, and PSYC06. Students in our Specialist programs will be required to take all three courses in this new sequence. This increases the program's overall credit value by 0.5, since students were previously required to take only two statistics courses. Together, these three courses will better prepare students in the skills needed to conduct neuroscience and psychology research.
3. Program Requirements: The increase in statistics of 0.5 credits has been applied here
(a) The required statistics course options have been added
(b) To provide clarity during this period of transition, a note has been added instructing students to contact the Program Administrator if they've taken the retired PSYB07 course. Since PSYB07 is positioned somewhere between the new PSYA06 and PSYB06 in terms of content, there is no simple way to indicate how PSYB07 interacts with the new version of the program. Students who have taken the retired course can reach out to the Program Administrator for next steps. Namely, an exception will be made to allow PSYB07 in place of both PSYA06+B06; however, the student will be instructed to take an extra PSY course beyond their program requirements to make up the credit discrepancy. (
4./5. Noted the retirement of PSYB07/C08/c09 and added the new courses as follows: PSYB06 to Neuroscience Foundations, and PSYC06 to Quantitative and Methodological Skills.
6. Capstone options have been updated to include new course PSYD12. The content of PSYD12 is based on material that Prof. Thiruchselvam has taught under the PSYD66 (Current Topics in Human Brain and Behaviour) umbrella for the past 4 years, and is appropriate for Neuroscience students. PSYD51H3, PSYD62H3 and PSYD54H3 are also being included to give students more options. These courses are based in cognitive neuroscience, and are relevant to students in the Neuroscience Specialist program. A clarification has been added to require that one of the capstone courses must come from BIO or NRO to ensure students complete at least one capstone course that leans toward the more biological/animal model side of the neuroscience spectrum.

Impact:
None

Consultations:
DCC Approval: Oct 9, 2025
Department of Biological Sciences [Shelley Brunt, Jen Campbell]: Oct 20, 2025
RO Approval (Lindsey T.): Nov 4, 2025

Resource Implications:
None

Proposal Status:
Under Review

SCSPE1160: SPECIALIST PROGRAM IN PSYCHOLOGY (SCIENCE)

Completion Requirements:

Previous:

Program Requirements

The Program requires completion of 12.5 credits, including at least 4.0 credits at the C- or D-level, of which at least 1.0 credit must be at the D-level:

1. Introduction to Psychology (1.0 credit)
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Laboratory Methods (1.5 credits)
PSYB70H3 Methods in Psychological Science
PSYC70H3 Advanced Research Methods Laboratory
and
0.5 credit from among the following:
PSYC71H3 Social Psychology Laboratory
PSYC72H3 Developmental Psychology Laboratory
PSYC74H3 Human Movement Laboratory
PSYC75H3 Cognitive Psychology Laboratory
PSYC76H3 Brain Imaging Laboratory

3. Statistical Methods (1.0 credit)
PSYB07H3 Data Analysis in Psychology
[PSYC08H3 Advanced Data Analysis in Psychology *or* PSYC09H3 Applied Multiple Regression in Psychology]

4. PSYC02H3 Scientific Communication in Psychology (0.5 credit)

5. PSYC01H3/(PSYC85H3) History of Psychology (0.5 credit)

6. Breadth in Psychology at the B-level and C-level (4.0 credits)
Students are required to take 2.0 credits at the B- or C-level from each of the content groups listed below:
(a) Social and Developmental (courses listed in the 10- and 20-series)
(b) Perception, Cognition and Physiology (courses listed in the 50- and 60-series)

7. Seminars in Psychology at the D-level (1.0 credit)
All PSY D-level courses are considered "seminars", with the exception of PSYD98Y3. Students must take 0.5 credit from each grouping below:
(a) Social and Developmental (courses listed in the 10- and 20-series)
(b) Perception, Cognition and Physiology (courses listed in the 50- and 60-series)

8. Additional credits in Psychology at the B-level or higher (3.0 credits)
Of the 3.0 credits, at least 1.0 credit must be at the C-level. Supervised study [PSYB90H3 *or* PSYC90H3 *or* PSYC93H3] *or* thesis [PSYD98Y3] courses may be used to fulfill a maximum of 0.5 credit.

New:

Program Requirements
The Program requires completion of 13.0 credits, including at least 4.0 credits at the C- or D-level, of which at least 1.0 credit must be at the D-level:

1. Introduction to Psychology (1.0 credit)
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Laboratory Methods (1.5 credits)
PSYB70H3 Methods in Psychological Science
PSYC70H3 Advanced Research Methods Laboratory
and 0.5 credits from the following:
PSYC71H3 Social Psychology Laboratory
PSYC72H3 Developmental Psychology Laboratory
PSYC74H3 Human Movement Laboratory
PSYC75H3 Cognitive Psychology Laboratory
PSYC76H3 Brain Imaging Laboratory

3. Statistical Methods (1.5 credits)
0.5 from the following:
PSYA06H3 Introduction to Data Analysis for Scientific Literacy*
STAB22H3 Statistics I
STAB23H3 Introduction to Statistics for the Social Sciences
and:
PSYB06H3 Applied Statistical Analysis for Psychology & Neuroscience
and
0.5 credit from the following:
PSYC06H3 Advanced Statistical Analysis for Psychology & Neuroscience
(PSYC08H3) Advanced Data Analysis in Psychology
(PSYC09H3) Applied Multiple Regression in Psychology

Notes:
*1. Department of Psychology students are strongly encouraged to choose the PSYA06H3 course option.
2. For students who have completed the retired (PSYB07H3) course, please contact the Undergraduate Program Administrator for guidance.

4. PSYC02H3 Scientific Communication in Psychology (0.5 credit)

5. PSYC01H3/(PSYC85H3) History of Psychology (0.5 credit)

6. Breadth in Psychology at the B-level and C-level (4.0 credits)
Students are required to take 2.0 credits at the B- or C-level from each of the content groups listed below:
(a) Social and Developmental (courses listed in the 10- and 20-series)
(b) Perception, Cognition and Physiology (courses listed in the 50- and 60-series)

7. Seminars in Psychology at the D-level (1.0 credit)
All PSY D-level courses are considered "seminars", with the exception of PSYD98Y3. Students must take 0.5 credit from each grouping below:
(a) Social and Developmental (courses listed in the 10- and 20-series)
(b) Perception, Cognition and Physiology (courses listed in the 50- and 60-series)

8. Additional credits in Psychology at the B-level or higher (3.0 credits)
Of the 3.0 credits, at least 1.0 credit must be at the C-level. Supervised study [PSYB90H3 *or* PSYC90H3 *or* PSYC93H3] *or* thesis [PSYD98Y3] courses may be used to fulfill a maximum of 0.5 credit.

Enrolment Requirements:

Previous:

Enrolment Requirements
Enrolment in the Program is limited. Admission will require:
(a.) completion of any Grade 12 U/M high school math course or equivalent (or successful completion of the UTSC Online Mathematics Preparedness Course or equivalent), and
(b.) completion of Grade 12 U/M high school biology or equivalent (or BIOA12H3 or equivalent), and
(c.) completion of a minimum of 4.0 credits, including 1.0 credit in Psychology, and

(d.) either (1) a final grade of 75% or higher in both PSYA01H3 and PSYA02H3, or (2) a final grade of 64% or higher in both PSYA01H3 and PSYA02H3, and a final grade of 72% or higher in [PSYB07H3 or equivalent] and PSYB70H3.

Application for admission will be made to the Office of the Registrar through ACORN, during the Limited Program application periods. For more information on applying to limited enrolment programs, please visit the Office of the Registrar website.

New:

Enrolment Requirements
Enrolment in the Program is limited. Admission will require:
(a.) completion of any Grade 12 U/M high school math course or equivalent (or successful completion of the UTSC Online Mathematics Preparedness Course or equivalent), and
(b.) completion of Grade 12 U/M high school biology or equivalent (or BIOA12H3 or equivalent), and
(c.) completion of a minimum of 4.0 credits, including 1.0 credit in Psychology, and
(d.) either (1) a final grade of 75% or higher in both PSYA01H3 and PSYA02H3, or (2) a final grade of 64% or higher in both PSYA01H3 and PSYA02H3, and a final grade of 72% or higher in [PSYA06H3 or PSYB06H3 or (PSYB07H3) or equivalent] and PSYB70H3.

Application for admission will be made to the Office of the Registrar through ACORN, during the Limited Program application periods. For more information on applying to limited enrolment programs, please visit the Office of the Registrar website.

Description of Proposed Changes:
1. Enrolment Requirement: PSYB07H3 has been retired. PSYA06H3 and PSYB06H3 (new stats courses) added in its place for requirement (d.)(2.)
2. Program Requirement: The overall number of credits required for the program has increased from 12.5 to 13.0 3.
Requirement 3: Enrollment Requirements: Statistical Methods requirement has increased from 1.0 to 1.5 credits
(a) PSYB07H3, PSYC08H3 and PSYCC09H3 have been retired. PSYA06H3, PSYB06H3, and PSYC06H3 (new stats courses) were added in their place for the requirement.
(b) Clarifying language has been added to encourage Department of Psychology students to select PSYA06H3 over other introductory statistics options at the university. Instructions for contacting the Program Administrator have been added for students joining the program after completing one of the retired statistics course options.

Rationale:
1./2. As part of a full revamp of the Statistics courses in the Department of Psychology, existing statistics courses PSYB07H3, PSYC08H3, and PSYC09H3H3 are being retired, and replaced with three new courses: PSYA06H3, PSYB06H3, and PSYC06H3. Students in the Majors programs will be required to take the first two courses of this sequence, PSYA06H3 and PSYB06H3. This increases the program's overall credit value by 0.5 credits, since students were previously required to take one statistics course.
3. The increase in the requirement 3 by an additional 0.5 credits due to the statistical course revamp.
(a) PSYA06H3 will cover core introductory topics like descriptive statistics, probability, and hypothesis testing, making room in PSYB06H3 for deeper analysis, applied work, and skill development. Together, these courses will play a foundational role in preparing students for upper-year courses in Psychology, where more advanced data analysis techniques are introduced.
(b) To provide clarity during this period of transition, a note has been added instructing students to contact the Program Administrator if they've taken the retired PSYB07 course. Since PSYB07H3 is positioned somewhere between the new PSYA06 and PSYB06 in terms of content, there is no simple way to indicate how PSYB07H3 interacts with the new version of the program. Students who have taken the retired course can reach out to the Program Administrator for next steps. Namely, an exception will be made to allow PSYB07H3 in place of both PSYA06+B06; however, the student will be instructed to take an extra PSY course beyond their program requirements to make up the credit discrepancy.

Impact:
None

Consultations:
DCC Approval: Oct 9, 2025
RO Approval (Lindsey T.): Oct 27, 2025

Resource Implications:
None

Proposal Status:
Under Review

4 New Courses - No Committee

PSYA06H3: Introduction to Data Analysis for Scientific Literacy

Description:
Following data collection, how do scientists move from numbers to knowledge? This course introduces the fundamental principles of data analysis for scientific literacy, focusing on how data are used to ask and answer questions in the social and life sciences. Students will explore key concepts such as descriptive statistics, probability, distributions, the central limit theorem, hypothesis testing, t-tests, and correlation.

Corequisites: PSYA01H3 or PSYA02H3

Exclusions:(PSYB07H3), LINB29H3, MGEB11H3, STAA57H3, STAB22H3, STAB23H3, STAB52H3, EEB225H1, ECO220Y1, ECO220Y5, ECO227H1/ECO227H5, GGR270H1, IRW220H1, KPE291H1, PSY201H1, PSY201H5, SOC202H1, SOC252H1, SOC222H5, STA220H1, STA220H5, STA238H1, STA248H1, STA261H1, STA288H1

Recommended Preparation: Grade 12 Advanced Functions or Grade 12 Calculus and Vectors or Grade 12 Data Management or the UTSC Online Mathematics Preparedness Course

Delivery Method: In Person

Methods of Assessment:

Two term tests (25% x 2) and Final Exam (35%) -
The exams will evaluate students' ability to understand, conduct, select, and justify appropriate statistical analyses (Learning Outcomes 1-3), and interpret statistical output in context (Learning Outcome 4). Exams include conceptual and calculation questions focused on understanding statistical logic, test assumptions, and reasoning. The final exam is not cumulative, but together the exams will ensure progressive skill development.

Weekly Quizzes/Embedded textbook activities (15%) -
These short, low-stakes activities will provide regular practice with core concepts and techniques (Learning Outcomes 1 & 2). They help reinforce foundational knowledge, promote retention, and give students consistent feedback to monitor their progress.

Breadth Requirements:

Quantitative Reasoning

University of Toronto Scarborough

CNC Allowed:

Y

Credit Value:

fixed: 0.5

Learning Outcomes:

By the end of the course, students will be able to: 1. Develop scientific literacy and the ability to appropriately interpret scientific data reported in the media 2. Conduct various statistical analyses, both by hand and via statistical software 3. Determine the most appropriate course of analysis within an experiment or study, depending on the research questions being posed, the hypotheses being posited, and/or the data being collected. 4. Effectively communicate the results of their statistical analyses, about the guidelines set by the American Psychological Association.

Topics Covered:

- Descriptive statistics
- Graphing and visualizations
- Describing and interpreting patterns of data
- Distributions and variables
- Central limit theorem
- Probability
- Hypothesis Testing
- Z-tests
- Correlation
- t-tests
- Scientific literacy and real-world application

Rationale:

As part of a full revision of the Department of Psychology's statistics curriculum, three new courses: PSYA06H3, PSYB06H3, and PSYC06H3, are proposed to replace PSYB07H3, PSYC08H3, and PSYC09H3. These changes aim to better sequence learning, align with campus-wide offerings, and ensure consistent preparation across programs.

Proposed Structure
1. PSYA06H3: Introductory statistics aligned with STAB22/23H3, required for all Psychology programs.
2. PSYB06H3: Intermediate statistics emphasizing software use, application, and interpretation (e.g., Chi-square, One-Way ANOVA), required for Majors and Specialists.
3. PSYC06H3: Advanced course integrating topics from PSYC08 (ANOVA) and PSYC09H3 (regression), required for Specialists.
4. A D-level course may be introduced in the future.

The new sequence provides clearer progression from foundational to advanced analysis while addressing inconsistent student preparedness. PSYA06H3 introduces core statistical reasoning using psychology-based examples, improving accessibility and engagement for students who may be math-averse. Students in Psychology programs will be encouraged to take PSYA06H3, though STAB22/23 will remain accepted equivalents.

Consultation:

DCC Approval: Oct 9, 2025
RO Approval: September 18, 2025 [Amber Lantsman, Lindsey Taylor]
CCC Review: September 29, 2025

UTSC and tri-campus academic departments offering programs and courses in related areas: October 16, 2025
Identified all units that may need to update their programs/courses due to the changes to the Psychology statistics courses. Emailed the Undergraduate Administrators and Undergraduate Associate Chairs in each of these departments to share information about our new courses and suggest updates to their affected programs/courses:
- UTSC Biological Sciences [Shelley Brunt & Jenn Campbell]
- UTSC Computer & Mathematical Sciences [Michael Molloy (Acting Chair) & Kelly Squier]; also consulted with James Bremer (Chair), Mahinda Samarakoon and Kenneth Butler in November 2024
- UTSC Health & Society [Michelle Silver & Jenn Chaskavich & Sean Ramrattan]
- UTSC Language Studies [Phil Monoahan & Carol Beattie]
- UTSC Management [Iris Au & David Taylor]
- St. George EEB [Nicole Mideo & Colleen Kerluk]
- St. George Economics [Michael Baker & UG Administrator email]
- St. George Geography [Paul Hess & UG Administrator email]
- St. George Industrial Relations & HR [Alicia Eads & Silvia Cocolo]
- St. George Kinesiology [Cathy Amara & UG Administrator email]
- St. George Psychology [Katherine Duncan & Tamara Ferguson]
- St. George Sociology [Christian Caron & UG Administrator email]
- St. George Statistics [UG Chair email & Laura Ferlito]

- UTM Biology [Sasa Stefanovic & UG Administrator email]
- UTM Economics [Kathleen Yu & UG Administrator email]
- UTM Psychology [Simone Walker & UG Administrator email]
- UTM Sociology [Jayne Baker & Ania Joly]
- UTM Statistics [Al Nosedalsanchez & Eliza Escandar]

Resources:

The proposed course will be taught by regular faculty member Steve Joordens as part of the normal teaching load.
To keep this new course cost-effective, tutorials will not be offered. TA support will be required solely for grading assignments, but this need is not accounted for in the current budget. Because fewer future PSY/MHS will require STAB22/23 due to the creation of PSYA06H3, the Department anticipates that those resources will be redirected to PSYA06H3 to ensure that PSYA06H3 is appropriately resourced in a manner commensurate with how STAB22/23H3 are.
Budget Implications:

Overlap with Existing Courses:

The department has reviewed course descriptions for statistical courses across the three campuses, identifying areas of overlap to determine appropriate course exclusions. The courses that have been determined to have a significant overlap have been listed as exclusions.

Estimated Enrolment:

500-800
The Department of Psychology takes in about 1000 students per year into our programs. Although we will encourage all our students to take PSYA06, this estimate accounts for the fact that some students may choose to take alternate introductory statistics courses (STAB22, STAB23, MGEB11, etc.) if they are taking double-majors or major/minor program combinations.

Proposal Status:

Under Review

PSYB06H3: Applied Statistical Analysis for Psychology & Neuroscience

Description:

This course covers the application of statistical methods to support the interpretation of data. Students will learn to conduct and interpret statistical tests using software and draw valid conclusions from psychological and neuroscientific data. Topics include *t*-tests, analysis of variance, multiple comparison tests, simple regression, chi-squared tests and other non-parametric tests.

Prerequisites: PSYA01H3 and PSYA02H3 and [PSYA06H3 or STAB22H3 or STAB23H3]

Exclusions:(PSYB07H3), (PSYC08H3), HLTB27H3, LINB29H3, MGEB11H3, STAB27H3, STAB57H3, BIO360H5, EEB225H1, ECO220Y1/ECO220Y5, ECO227Y5, PSY202H1/PSY202H5, SOC252H1, STA221H1/ STA221H5

Notes: Priority will be given to students enrolled in the Specialist/Specialist Co-op and Major/Major Co-op programs in Psychology, Mental Health Studies, and Neuroscience. Students in the Minor program in Psychology will be admitted if space permits.

Delivery Method:

In Person

Methods of Assessment:

1. Midterm Exam (30%) and Final Exam (35%) – The exams will evaluate students' ability to conduct, select, and justify appropriate statistical analyses (Learning Outcomes 1 & 2), and interpret statistical output in context (Learning Outcome 3 & 4). Exams include conceptual and calculation questions focused on understanding statistical logic, test assumptions, and reasoning. The final exam is not cumulative, but together the exams will ensure progressive skill development.

2. Weekly Quizzes (10%) - These short, low-stakes quizzes will provide regular practice with core concepts and techniques (Learning Outcomes 1 & 2). They help reinforce foundational knowledge, promote retention, and give students consistent feedback to monitor their progress.

3. In-Tutorial Assignments (10%) - These guided exercises will support students in applying statistical methods using software (e.g., JASP) and interpreting results in practical contexts (Learning Outcomes 1 - 4). They offer structured opportunities for collaborative learning and critical thinking.

4. Statistical Report Assignment (15%) - This assignment will require students to analyze a dataset and communicate their findings clearly and accurately in APA style (Learning Outcomes 1 - 5). It will integrate technical analysis with scientific reporting. The activity will conclude with a critical reflection activity which aims to transform the students' experiences with their partner organization into genuine learning. Students will reflect on what they enjoyed, what they found challenging, what new skills/knowledge they acquired, and how they plan to apply this learning beyond this course.

Breadth Requirements:

Quantitative Reasoning

University of Toronto Scarborough

CNC Allowed:

Y

Credit Value:

fixed: 0.5

Learning Outcomes:

By the end of the course, students will be able to:
1. Conduct various statistical analyses, both by hand and via statistical software (e.g., JASP), demonstrating an understanding of the mechanics/logic behind the calculations and their assumptions.
2. Select and justify appropriate statistical tests based on research design, hypothesis structure, and data characteristics (e.g., type of data, distributional assumptions).
3. Interpret and critically evaluate statistical output, identifying key patterns, limitations, and potential sources of bias.

4. Apply statistical reasoning to assess the validity of conclusions drawn using data.
5. Communicate statistical findings clearly and accurately, following the guidelines set by the American Psychological Association.

Course Experience:

Partnership-Based Experience

Topics Covered:

- Brief review of introductory statistics (i.e., PSYA06 or STAB22 or STAB23H3) content, including descriptive statistics and z-tests, t-tests.
- Error rates and power
- Chi-square tests
- Correlation and Regression
- One-Way ANOVA
- Post hoc multiple comparison tests
- A priori multiple comparison tests
- Non-parametric tests: Mann-Whitney U, Wilcoxon, Kruskal-Wallis and Friedman tests.

Rationale:

As part of a full revision of the Department of Psychology's statistics curriculum, three new courses—PSYA06H3, PSYB06H3, and PSYC06H3—are proposed to replace PSYB07H3, PSYC08H3, and PSYC09H3. These changes aim to better sequence learning, align with campus-wide offerings, and ensure consistent preparation across programs.

Proposed Structure
1. PSYA06H3: Introductory statistics aligned with STAB22/23, required for all Psychology programs.
2. PSYB06H3: Intermediate statistics emphasizing software use, application, and interpretation (e.g., Chi-square, One-Way ANOVA), required for Majors and Specialists.
3. PSYC06H3: Advanced course integrating topics from PSYC08 (ANOVA) and PSYC09 (regression), required for Specialists.
4. A D-level course may be introduced in the future.

Rationale
The new sequence provides a clearer progression from foundational to advanced analysis while addressing inconsistent student preparedness. PSYB06 modernizes instruction through statistical software integration (e.g., JASP), conceptual focus, and APA-style reporting, enhancing readiness for upper-year courses (PSYC06, PSYC70) and research or applied roles. PSYC06 consolidates advanced topics from existing courses, simplifying program structure and improving clarity for students and administrators. PSYB06 will serve as a core requirement for all students in the Psychology, Mental Health and Neuroscience Specialist and Major programs. It will play a foundational role in preparing students for upper-year courses in statistics and research methods (e.g., PSYC06, PSYC70), where more advanced data analysis techniques are introduced. Unlike the retired PSYB07 course, PSYB06 will be less focused on manual computation. It will integrate statistical software (e.g., JASP), an updated range of statistical topics, and increased emphasis on application, interpretation, and communication of results. The course addresses critical gaps in the current curriculum by:
- Offering earlier, structured exposure to statistical software and APA-style reporting
- Emphasizing conceptual reasoning over rote calculation
- Preparing students more effectively for both research and applied career paths

Consultation:

DCC Approval: October 9, 2025
RO Approval: September 18, 2025 [Amber Lantsman, Lindsey Taylor]
EL Approval: September 9, 2025 [Al Hearn; reviewed the retired PSYB07 activity that is now shifted into this course]
CCC Review: September 29, 2025

UTSC and tri-campus academic departments offering programs and courses in related areas:
October 16, 2025
We identified all units that may need to update their programs/courses due to the changes to the Psychology statistics courses. We emailed the Undergraduate Administrators and Undergraduate Associate Chairs in each of these departments to share information about our new courses and suggest updates to their affected programs/courses:
- UTSC Biological Sciences [Shelley Brunt & Jenn Campbell]
- UTSC Computer & Mathematical Sciences [Michael Molloy (Acting Chair) & Kelly Squier]; also consulted with James Bremer (Chair), Mahinda Samarakoon and Kenneth Butler in November 2024
- UTSC Health & Society [Michelle Silver & Jenn Chaskavich & Sean Ramrattan]
- UTSC Language Studies [Phil Monoahan & Carol Beattie]
- UTSC Management [Iris Au & David Taylor]
- St. George EEB [Nicole Mideo & Colleen Kerluk]
- St. George Economics [Michael Baker & UG Administrator email]
- St. George Geography [Paul Hess & UG Administrator email]
- St. George Industrial Relations & HR [Alicia Eads & Silvia Cocolo]
- St. George Kinesiology [Cathy Amara & UG Administrator email]
- St. George Psychology [Katherine Duncan & Tamara Ferguson]
- St. George Sociology [Christian Caron & UG Administrator email]
- St. George Statistics [UG Chair email & Laura Ferlito]
- UTM Biology [Sasa Stefanovic & UG Administrator email]
- UTM Economics [Kathleen Yu & UG Administrator email]
- UTM Psychology [Simone Walker & UG Administrator email]
- UTM Sociology [Jayne Baker & Ania Joly]
- UTM Statistics [Al Nosedalsanchez & Eliza Escandar]

Resources:

Regular faculty Olivia Lewandowska will teach the proposed course as part of the normal teaching load. TA hours originally allotted for the retired PSYB07 course will shift to this new course.

Overlap with Existing Courses:

The department has reviewed course descriptions for statistical courses across the three campuses, identifying areas of overlap to determine appropriate course exclusions. The courses that have been determined to have a significant overlap have been listed as exclusions.

Programs of Study for Which This Course Might be Suitable:

The retired PSYC08 currently appears in the calendar in the following places. We've written to these units with information about the retirement of PSYC08 and the potential to replace it with PSYB06, as appropriate:

Department of Computer & Mathematical Sciences
- MINOR - APPLIED STATISTICS - SCMIN2295
- STAC32H3 prerequisites
- STAC53H3 prerequisites

Department of Health & Society
- SPECIALIST - PARAMEDICINE - SCSPEPMD

Estimated Enrolment:
Estimated Fall enrollment: 500
Estimated Summer enrollment: 200

Instructor:
Olivia Podolak Lewandowska

Proposal Status:
Under Review

PSYC06H3: Advanced Statistical Analysis for Psychology & Neuroscience

Description:
This course extends foundational statistical methods to more complex designs and models, including elaborations of the analysis of variance and multiple regression, with extensions to multivariate analyses.

Prerequisites:[PSYB06H3 or (PSYB07H3)] and PSYB70H3

Exclusions:(PSYC08H3), (PSYC09H3), LINC29H3, STAC67H3, ECO220Y1, ECO227Y1

Notes: Priority will be given to students enrolled in the Specialist/Specialist Co-op programs in Psychology, Mental Health Studies, and Neuroscience. Students in the Major/Major Co-op programs in Psychology, Mental Health Studies, and Neuroscience will be admitted if space permits.

Delivery Method:
In Person

Methods of Assessment:

Online Quizzes [10%, LOs #1,2]: To help keep students on track and motivated to study throughout the semester, and to give practice (especially under the pressure of time), there will be short quizzes posted every week that will test understanding of the material presented in lecture.

Assignment [15%, LOs #1,2,3]: Students will be given a dataset from a partner organization, use that data to test hypotheses, and produce a technical report of the results. The assignment will: (1) challenge knowledge of the course content, (2) help refine skills in scientific writing, and (3) help develop skills in the use of statistical software.

Midterm [35%, LOs #1,2]: An interim assessment of their command of the course material, consisting of short-answer theoretical questions and calculation questions.

Final Exam [40%, LOs #1,2,3]: The cumulative final examination will consist of short-answer theoretical questions, short-answer calculation questions and long calculation questions.

Breadth Requirements:

Quantitative Reasoning

University of Toronto Scarborough

CNC Allowed:
Y

Credit Value:
fixed: 0.5

Learning Outcomes:
Students will learn to:
1. Conduct various statistical analyses, both by hand and via statistical software.
2. Determine the most appropriate course of analysis within an experiment or study, depending on the research questions being posed, the hypotheses being posited, and/or the data being collected.
3. Effectively communicate the results of their statistical analyses, about the guidelines set by the American Psychological Association.

Topics Covered:
- Review of ANOVA
- ANCOVA/RBD
- Repeated measures ANOVA
- Factorial ANOVA
- Mixed-design ANOVA
- Repeated-measures factorial ANOVA
- Multiple regression
- Factor Analysis (Time Permitting)
- Principal component analysis (Time Permitting)

Rationale:

As part of a full revision of the Department of Psychology's statistics curriculum, three new courses—PSYA06H3, PSYB06H3, and PSYC06H3—are proposed to replace PSYB07H3, PSYC08H3, and PSYC09H3. These changes aim to better sequence learning, align with campus-wide offerings, and ensure consistent preparation across programs.

Proposed Structure
1. PSYA06H3: Introductory statistics aligned with STAB22/23, required for all Psychology programs.
2. PSYB06H3: Intermediate statistics emphasizing software use, application, and interpretation (e.g., Chi-square, One-Way ANOVA), required for Majors and Specialists.
3. PSYC06H3: Advanced course integrating topics from PSYC08 (ANOVA) and PSYC09 (regression), required for Specialists.
4. A D-level course may be introduced in the future.

Rationale
The new sequence provides a clearer progression from foundational to advanced analysis while addressing inconsistent student preparedness. PSYC06H3 is a hybrid of topics previously contained in the retired PSYC08H3 and PSYC09H3. Modifying either of the existing courses would not have worked, as the exclusions and the course's positioning within programs would be overly complex. Creating this new course instead of modifying one of PSYC08H3/C09H3 is the cleanest and clearest solution for both students and administrators.

Consultation:
DCC Approval: October 9, 2025
RO Approval: September 18, 2025 [Amber Lantsman, Lindsey Taylor]
CCC Review: September 29, 2025

UTSC and tri-campus academic departments offering programs and courses in related areas:
October 16, 2025
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- UTSC Biological Sciences [Shelley Brunt & Jenn Campbell]
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- St. George Statistics [UG Chair email & Laura Ferlito]
- UTM Biology [Sasa Stefanovic & UG Administrator email]
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- UTM Psychology [Simone Walker & UG Administrator email]
- UTM Sociology [Jayne Baker & Ania Joly]
- UTM Statistics [Al Nosedalsanchez & Eliza Escandar]

Resources:
Regular faculty Olivia Lewandowska will teach the proposed course as part of the normal teaching load. TA hours will be covered by the existing budget. (The hours originally allotted for the retired PSYC08H3 course will shift to this new course.)
Budget Implications:

Overlap with Existing Courses:
The department has reviewed course descriptions for statistics courses across the three campuses, identifying areas of overlap to determine appropriate course exclusions. The courses that have been determined to have a significant overlap have been listed as exclusions.

Estimated Enrolment:
250
(i.e.) the approximate number of Specialists in the Department of Psychology programs each year

Instructor:
Olivia Podolak Lewandowska

Proposal Status:
Under Review

PSYD12H3: Me and I: The Self in Mind and Brain

Description:
The sense of being a "self" is fundamental to our experience of the world. Drawing upon social psychology and neuroscience, this course will examine how people evaluate and interpret the self. Topics covered may include: self-esteem, positive illusions, maladaptive self-evaluation (e.g., narcissism), self-conscious emotions (e.g., pride and shame), and authenticity.

Prerequisites: [PSYB55H3 or PSYB64H3] and [PSYB06H3 or (PSYB07H3) or STAB22H3 or STAB23H3] and PSYB70H3 and [0.5 credit at the C-level in PSY or NRO courses]

Exclusions: [PSYD66H3 if taken in 20221, 20225, 20231, 20241, or 20251], PSY425H1, PSY325H5

Recommended Preparation: PSYB10H3

Notes:

1. Priority will be given to fourth-year students in the Specialist/Specialist Co-op programs and Major/Major Co-op programs in Psychology, Mental Health Studies, and Neuroscience. Third-year students in these programs will be admitted as space permits.

2. Students in a Specialist/Specialist Co-op Program in Psychology, Mental Health Studies or Neuroscience may take a maximum of 1.0 PSY/NRO D-level credits.
3. Students in a Major/Major Co-op Program in Psychology, Mental Health Studies or Neuroscience may take a maximum of 0.5 PSY/NRO D-level credits per major. Students in the Minor Program in Psychology are not typically eligible for enrolment in PSY/NRO D-level courses.
4. PSYD98Y3/NROD98Y3 are excluded from these limits. Please see this website for full information.

Delivery Method:

In Person

Methods of Assessment:

In this course, students will complete:
1) A two-step research proposal of a potentially novel empirical contribution to the psychology and neuroscience of self-awareness. This will include an initial draft (worth 12%) and a final, more comprehensive proposal incorporating my feedback (worth 25%). Students will be asked to reflect on the broader implications of their proposal to related fields and disciplines. [LOs: 1, 2, 3, 5, 6]
2) A two-step critique of an empirical article on self-awareness, which guides students to carefully deconstruct the aims, methods, and findings of the study or studies. This will consist of an initial draft (worth 10%) followed by a final paper (worth 10%) that encourages students to incorporate my feedback and reflect on their own reasoning (i.e., engage metacognition) as they write the critique. [LOs: 1, 2, 3, 5]
3) Weekly reflections of assigned readings in which students are prompted to generate novel questions based on the articles they read. This will be worth 8% in total. [LOs: 1, 2, 3, 5]
4) Our seminar sessions will consist of a lecture component, followed by a class discussion of assigned readings. Students will be assessed on their engagement with the class discussions twice throughout the term, focusing on their understanding of the readings and the thoughtfulness of their questions and comments. In these discussions, students will be encouraged to integrate their understanding of the readings with ideas and questions from related disciplines. This will be collectively worth 20%. [LOs: 1, 2, 3, 4, 6]
5) Students will engage in oral group presentations, in which they aim to summarize empirical readings for the class and facilitate thoughtful discussion of the articles' methods, findings, and broader significance. This will be worth 15%. [LOs: 1, 2, 3, 4, 6]

Breadth Requirements:

Social & Behavioural Sciences

University of Toronto Scarborough

CNC Allowed:

Y

Credit Value:

fixed: 0.5

Learning Outcomes:

Upon completing this course, students should be able to: 1) Understand current scientific findings and debates on the psychological and neural bases of self-awareness and their connection to foundational theories and findings in the field. 2) Learn how to read and carefully decipher primary scientific articles in the field, discerning the meaning and significance of both the core elements and finer details of the articles. 3) Develop critical thinking skills by identifying important weaknesses and limitations in current research (e.g., in conceptual foundations, methodology, and data analysis or interpretation) and reflecting on potential ways to improve the state of the field. 4) Strengthen oral communication skills by actively engaging with peers and the instructor in thoughtful class dialogue and presentations. 5) Learn to write more effectively by completing reflection papers on assigned readings and a two-stage APA-style research proposal. 6) Identify the broader relevance of the content covered in the class to other academic disciplines (e.g., the arts, political science).

Topics Covered:

- Self-esteem: conceptual foundations, changes across contexts (e.g., contingent self-worth), and measurement (implicit versus explicit self-esteem)
- Self-enhancement biases (e.g., positive illusions)
- Maladaptive patterns of self-evaluation (e.g., narcissism, rumination)
- Self-conscious emotions (e.g., pride, guilt, shame)
- Self-transcendent states (e.g., awe, ego loss)
- Self-disclosure
- Authenticity

Where possible, the course will approach these topics from both a social psychological and a neuroscience lens.

Rationale:

Self-awareness is a fundamental aspect of human psychology, underlying numerous mental processes across domains such as emotion, personality, social cognition, and psychological well-being. UTSC currently lacks a course dedicated to this topic. In PSYB10H3 (Introduction to Social Psychology), the lecture on the psychology of the self consistently generates strong student interest and engagement. The proposed course is designed to address this gap by offering students a deeper exploration of questions that are both conceptually rich and central to psychological science. While comparable courses are offered at the St. George and Mississauga campuses, no equivalent exists at UTSC. The course is built on material that has been successfully taught under PSYD66 (Current Topics in Human Brain and Behaviour) over the past four years, which students have consistently described as intellectually valuable and enriching.

Consultation:

DCC Approval: Oct 9, 2025
RO Approval: September 18, 2025 [Amber Lantsman, Lindsey Taylor]
CCC Review: September 29, 2025

UTSC and tri-campus academic departments offering programs and courses in related areas:
Department of Biological Sciences [Oct 20, 2025, Shelley Brunt and Jennifer Campbell]

Resources:

The course will be taught by a full-time Ravi Thiruchselvam, a full-time faculty member. There is no TA support needed.

Overlap with Existing Courses:

The St. George and Mississauga campuses each offer a course on the psychology of the self (PSY425H1 – Self and Identity; PSY325H5F – Psychology of the Self), both of which have been listed as exclusions for the proposed course. In addition, the special topics course offered in previous sessions has also been included as an exclusion.

Estimated Enrolment:
24, as is standard for PSY D-levels

Instructor:
Ravi Thiruchselvam

Proposal Status:
Under Review

2 Course Modifications - No Committee

NROC90H3: Supervised Study in Neuroscience

Prerequisites:

Previous:

BIOB10H3 and NROB60H3 and NROB61H3 and [PSYB01H3) or (PSYB04H3) or PSYB70H3] and [PSYB07H3 or STAB22H3] and [PSYB55H3 or (PSYB65H3)] and permission of the proposed supervisor.

New:

BIOB10H3 and NROB60H3 and NROB61H3 and PSYB55H3 and [PSYA06H3 or (PSYB07H3) or STAB22H3 or STAB23H3] and PSYB70H3 and [a CGPA of 3.0 or higher] and permission of the proposed supervisor.

Rationale:
Prerequisites:
- PSYB07 is being retired and replaced with the new course PSYA06. Adding STAB23 as an alternative statistics option, as this has been an accepted alternative in practice for quite some time.
- Adding CPGA requirement for consistency with other C-level supervised study courses in the department (i.e. PSYC90, PSYC93)
- Long retired courses PSYB01, B04, and B65 removed.

Consultation:
DCC Approval: Oct 9, 2025
RO Approval: Nov 4, 2025
UTSC Computer & Mathematical Sciences [Michael Molloy (Acting Chair) & Kelly Squier]; also consulted with James Bremer (Chair), Mahinda Samarakoon and Kenneth Butler: November 2024

Resources:
None
Budget Implications:

Proposal Status:
Under Review

NROC93H3: Supervised Study in Neuroscience

Prerequisites:

Previous:

BIOB10H3 and NROB60H3 and NROB61H3 and [(PSYB01H3) or (PSYB04H3) or PSYB70H3] and [PSYB07H3 or STAB22H3] and [PSYB55H3 or (PSYB65H3)] and permission of the proposed supervisor.

New:

BIOB10H3 and NROB60H3 and NROB61H3 and PSYB55H3 and [PSYA06H3 or (PSYB07H3) or STAB22H3 or STAB23H3] and PSYB70H3 and [a CGPA of 3.0 or higher] and permission of the proposed supervisor.

Rationale:
Prerequisites:
- PSYB07 is being retired and replaced with the new course PSYA06. Adding STAB23 as an alternative statistics option, as this has been an accepted alternative in practice for quite some time.
- Adding CPGA requirement for consistency with other C-level supervised study courses in the department (i.e. PSYC90, PSYC93)
- Long retired courses PSYB01, B04, and B65 removed to ensure accuracy throughout the calendar

Consultation:
DCC Approval: Oct 9, 2025
RO Approval: Nov 4, 2025
CMS Consultation: Sept 16-17, 2025 and Oct 17, 2025

Resources:
None
Budget Implications:

Proposal Status:
Under Review