

# Psychology

This section presents the requirements for programs in:

- Psychology B.A. Honours
- Psychology B.A. Combined Honours
- Concentration in Cognitive Psychology
- Concentration in Developmental Psychology
- Concentration in Forensic Psychology
- Concentration in Health Psychology
- Concentration in Organizational Psychology
- Concentration in Social/Personality Psychology
- Stream in Mental Health and Well-Being
- Psychology B.A.
- Psychology B.Sc. Honours
- Minor in Human Resources and Management for B.A. Honours Psychology
- Minor in Psychology

## Program Requirements

### Psychology

#### B.A. Honours (20.0 credits)

##### A. Credits Included in the Major CGPA (9.0 credits):

<b>1. 1.0 credit in:</b>	1.0
PSYC 1001 [0.5]	Introduction to Psychology I
PSYC 1002 [0.5]	Introduction to Psychology II
<b>2. 1.0 credit in:</b>	1.0
PSYC 2001 [0.5]	Introduction to Research Methods in Psychology
PSYC 2002 [0.5]	Introduction to Statistics in Psychology
<b>3. 0.5 credit from:</b>	0.5
PSYC 2307 [0.5]	Human Neuropsychology I
PSYC 2700 [0.5]	Introduction to Cognitive Psychology
<b>4. 0.5 credit from:</b>	0.5
PSYC 2301 [0.5]	Introduction to Health Psychology
PSYC 2801 [0.5]	Organizational Psychology I
<b>5. 1.0 credit from:</b>	1.0
PSYC 2100 [0.5]	Introduction to Social Psychology
PSYC 2400 [0.5]	Introduction to Forensic Psychology
PSYC 2500 [0.5]	Foundations of Developmental Psychology
PSYC 2600 [0.5]	Introduction to the Study of Personality
<b>6. 1.0 credit from:</b>	1.0
PSYC 3000 [1.0]	Design and Analysis in Psychological Research
<b>7. 2.0 credits from:</b>	2.0
a. Thesis pathway:	
i. 1.0 credit from:	
PSYC 3100 [1.0]	Social Psychology (Honours Seminar)
PSYC 3300 [1.0]	Health (Honours Seminar)
PSYC 3400 [1.0]	Forensic Psychology (Honours Seminar)

PSYC 3500 [1.0]	Developmental Psychology (Honours Seminar)	
PSYC 3600 [1.0]	Personality (Honours Seminar)	
PSYC 3700 [1.0]	Cognition (Honours Seminar)	
PSYC 3805 [1.0]	Organizational Psychology (Honours Seminar)	
ii. 1.0 credit in:		
PSYC 4908 [1.0]	Thesis for B.A. with Honours in Psychology	
or		
b. Project pathway		
i. 1.0 credit in PSYC at 3000-level or higher		
ii. 1.0 credit in:		
PSYC 4910 [1.0]	Project for B.A. with Honours in Psychology	
<b>8. 1.0 credit in PSYC at 3000-level or higher</b>		1.0
<b>9. 1.0 credit in PSYC</b>		1.0
<b>B. Credits Not Included in the Major CGPA (11.0 credits):</b>		
<b>10. 2.0 credits from BIOL, CHEM, COMP, EARTH, ISCI, MATH, NEUR, PHYS, STAT, or TSES</b>		2.0
<b>11. 3.0 credits at the 2000 level and above, not in PSYC</b>		3.0
<b>12. 3.0 credits, not in PSYC</b>		3.0
<b>13. 3.0 credits free electives</b>		3.0
<b>Total Credits</b>		<b>20.0</b>

**Note:** Registration in the seminars in Requirement 7 a) i) requires a Major CGPA of at least 9.00. Registration in the thesis course PSYC 4908 [1.0] requires a Major CGPA of at least 10.00.

### Psychology

#### B.A. Combined Honours (20.0 credits)

##### A. Credits Included in the Major CGPA (7.0 credits):

<b>1. 1.0 credit in:</b>	1.0
PSYC 1001 [0.5]	Introduction to Psychology I
PSYC 1002 [0.5]	Introduction to Psychology II
<b>2. 1.0 credit in:</b>	1.0
PSYC 2001 [0.5]	Introduction to Research Methods & PSYC 2002 [0.5] in Psychology
	Introduction to Statistics in Psychology
<b>3. 0.5 credit from:</b>	0.5
PSYC 2307 [0.5]	Human Neuropsychology I
PSYC 2700 [0.5]	Introduction to Cognitive Psychology
<b>4. 0.5 credit from:</b>	0.5
PSYC 2301 [0.5]	Introduction to Health Psychology
PSYC 2801 [0.5]	Organizational Psychology I
<b>5. 1.0 credit from:</b>	1.0
PSYC 2100 [0.5]	Introduction to Social Psychology
PSYC 2400 [0.5]	Introduction to Forensic Psychology
PSYC 2500 [0.5]	Foundations of Developmental Psychology
PSYC 2600 [0.5]	Introduction to the Study of Personality
<b>6. 1.0 credit in:</b>	1.0
PSYC 3000 [1.0]	Design and Analysis in Psychological Research
<b>7. 2.0 credits from:</b>	2.0

**a. Thesis pathway**

i. 1.0 credit from:

PSYC 3100 [1.0]	Social Psychology (Honours Seminar)
PSYC 3300 [1.0]	Health (Honours Seminar)
PSYC 3400 [1.0]	Forensic Psychology (Honours Seminar)
PSYC 3500 [1.0]	Developmental Psychology (Honours Seminar)
PSYC 3600 [1.0]	Personality (Honours Seminar)
PSYC 3700 [1.0]	Cognition (Honours Seminar)
PSYC 3805 [1.0]	Organizational Psychology (Honours Seminar)

ii. 1.0 credit in:

PSYC 4908 [1.0]	Thesis for B.A. with Honours in Psychology
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**or****b. Project pathway**

i. 1.0 credit in PSYC at 3000-level or higher

ii. 1.0 credit in:

PSYC 4910 [1.0]	Project for B.A. with Honours in Psychology
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**B. Additional Requirements (13.0 credits): 13.0**

8. The requirements for Combined Honours in the other discipline must be satisfied.

9. 2.0 credits from BIOL, CHEM, COMP, EARTH, ISCI, MATH, NEUR, STAT, PHYS or TSES

10. Sufficient free electives to make 20.0 credits total for the program

Total Credits 20.0

**Notes:**

- All students in B.A. Combined Honours Psychology must complete an Honours Project in either Psychology or the other discipline.
- Students who choose to complete PSYC 4908 or PSYC 4910 to meet Item 7 must also complete Items 2 and 6.
- For Item 7 above, please consult with an advisor in the Department of Psychology for acceptable alternatives to PSYC 4910 and PSYC 4908. If Item 8 is completed in the other discipline, Items 2 and 6 above may be replaced by credits from the other discipline with the permission of the Department of Psychology. In this case, replacement credits in Psychology must be completed so that a minimum of 7.0 credits in Psychology is presented at graduation.

**Concentration in Cognitive Psychology (3.5 credits)**

This concentration is open to all students in the B.A. Honours Psychology, B.Sc. Honours Psychology, and the B.A. Combined Honours program. Only one concentration may be taken in a Psychology program. A maximum of 12.0 credits may be counted towards a B.A. or B.Sc. Honours Psychology degree.

1. 0.5 credit in: 0.5

PSYC 2700 [0.5]	Introduction to Cognitive Psychology
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2. 3.0 credits from: 3.0

CGSC 3201 [0.5]	Cognitive Processes
PSYC 2307 [0.5]	Human Neuropsychology I
PSYC 3307 [0.5]	Human Neuropsychology II
PSYC 3506 [0.5]	Cognitive Development
PSYC 3508 [0.5]	Child Language
PSYC 3700 [1.0]	Cognition (Honours Seminar)
PSYC 3702 [0.5]	Perception
PSYC 3709 [0.5]	Language Processing and the Brain

PSYC 3710 [0.5] Introduction to Human Factors

PSYC 3901 [0.5] Practicum in Community Psychology

PSYC 3902 [0.5] Practicum in Community Psychology

PSYC 3905 [1.0] Practicum in Community Psychology

PSYC 4001 [0.5] Special Topics in Psychology

PSYC 4700 [0.5] Advanced Topics in Cognitive Psychology

PSYC 4900 [0.5] Independent Study

PSYC 4902 [0.5] Independent Study

PSYC 4907 [1.0] Thesis for B.Sc. with Honours in Psychology

PSYC 4908 [1.0] Thesis for B.A. with Honours in Psychology

PSYC 4909 [1.0] Project for B.Sc. with Honours in Psychology

PSYC 4910 [1.0] Project for B.A. with Honours in Psychology

Total Credits 3.5

**Notes:**

- If PSYC 3901, PSYC 3902 or PSYC 3905 are presented in partial fulfillment of **Item 2** above, the placements must be consistent with the theme of the concentration.
- If PSYC 4001 is presented in partial fulfillment of Item 2 above, the focus of the special topic must be consistent with the theme of the concentration.
- If PSYC 4900 or PSYC 4902 are presented in partial fulfillment of Item 2 above, the focus of the independent study must be consistent with the theme of the concentration.
- If PSYC 4907, PSYC 4908, PSYC 4909 or PSYC 4910 are presented in partial fulfillment of Item 2 above, the focus of the thesis or project must be consistent with the theme of the concentration.

**Concentration in Developmental Psychology (3.5 credits)**

This concentration is open to all students in the B.A. Honours Psychology, B.Sc. Honours Psychology, and the B.A. Combined Honours program. Only one concentration may be taken in a Psychology program. A maximum of 12.0 credits may be counted towards a B.A. or B.Sc. Honours Psychology degree.

1. 0.5 credit in: 0.5

PSYC 2500 [0.5]	Foundations of Developmental Psychology
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<b>2. 3.0 credits from:</b>	3.0
PSYC 3500 [1.0] Developmental Psychology (Honours Seminar)	
PSYC 3505 [0.5] Exceptional Children	
PSYC 3506 [0.5] Cognitive Development	
PSYC 3507 [0.5] Social Development	
PSYC 3508 [0.5] Child Language	
PSYC 3509 [0.5] Adolescence and Emerging Adulthood	
PSYC 3901 [0.5] Practicum in Community Psychology	
PSYC 3902 [0.5] Practicum in Community Psychology	
PSYC 3905 [1.0] Practicum in Community Psychology	
PSYC 4001 [0.5] Special Topics in Psychology	
PSYC 4500 [0.5] Advanced Topics in Developmental Psychology	
PSYC 4900 [0.5] Independent Study	
PSYC 4902 [0.5] Independent Study	
PSYC 4907 [1.0] Thesis for B.Sc. with Honours in Psychology	
PSYC 4908 [1.0] Thesis for B.A. with Honours in Psychology	
PSYC 4909 [1.0] Project for B.Sc. with Honours in Psychology	
PSYC 4910 [1.0] Project for B.A. with Honours in Psychology	
<b>Total Credits</b>	<b>3.5</b>

**Notes:**

1. If PSYC 3901, PSYC 3902 or PSYC 3905 are presented in partial fulfillment of Item 2 above, the placements must be consistent with the theme of the concentration.
2. If PSYC 4001 is presented in partial fulfillment of Item 2 above, the focus of the special topic must be consistent with the theme of the concentration.
3. If PSYC 4900 or PSYC 4902 are presented in partial fulfillment of Item 2 above, the focus of the independent study must be consistent with the theme of the concentration.
4. If PSYC 4907, PSYC 4908, PSYC 4909 or PSYC 4910 are presented in partial fulfillment of Item 2 above, the focus of the thesis or project must be consistent with the theme of the concentration.

**Concentration in Forensic Psychology (3.5 credits)**

This concentration is open to all students in the B.A. Honours Psychology, B.Sc. Honours Psychology, and the B.A. Combined Honours program. Only one concentration may be taken in a Psychology program. A maximum of 12.0 credits may be counted towards a B.A. or B.Sc. Honours Psychology degree.

<b>1. 1.0 credit in:</b>	1.0
PSYC 2400 [0.5] Introduction to Forensic Psychology	
PSYC 3402 [0.5] Criminal Behaviour	
<b>2. 2.5 credits from:</b>	<b>2.5</b>

PSYC 3400 [1.0] Forensic Psychology (Honours Seminar)	
PSYC 3403 [0.5] Addiction	
PSYC 3901 [0.5] Practicum in Community Psychology	
PSYC 3902 [0.5] Practicum in Community Psychology	
PSYC 3905 [1.0] Practicum in Community Psychology	
PSYC 4001 [0.5] Special Topics in Psychology	
PSYC 4400 [0.5] Advanced Topics in Forensic Psychology	
PSYC 4402 [0.5] Police Psychology	
PSYC 4403 [0.5] Female Offenders	
PSYC 4404 [0.5] Sex Offenders	
PSYC 4900 [0.5] Independent Study	
PSYC 4902 [0.5] Independent Study	
PSYC 4907 [1.0] Thesis for B.Sc. with Honours in Psychology	
PSYC 4908 [1.0] Thesis for B.A. with Honours in Psychology	
PSYC 4909 [1.0] Project for B.Sc. with Honours in Psychology	
PSYC 4910 [1.0] Project for B.A. with Honours in Psychology	
<b>Total Credits</b>	<b>3.5</b>

**Notes:**

1. If PSYC 3901, PSYC 3902 or PSYC 3905 are presented in partial fulfillment of Item 2 above, the placements must be consistent with the theme of the concentration.
2. If PSYC 4001 is presented is presented in partial fulfillment of Item 2 above, the focus of the special topic must be consistent with the theme of the concentration.
3. If PSYC 4900 or PSYC 4902 are presented in partial fulfillment of Item 2 above, the focus of the independent study must be consistent with the theme of the concentration.
4. If PSYC 4907, PSYC 4908, PSYC 4909 or PSYC 4910 are presented in partial fulfillment of Item 2 above, the focus of the thesis or project must be consistent with the theme of the concentration.

**Concentration in Health Psychology (3.5 credits)**

This concentration is open to all students in the B.A. Honours Psychology, B.Sc. Honours Psychology, and the B.A. Combined Honours program. Only one concentration may be taken in a Psychology program. A maximum of 12.0 credits may be counted towards a B.A. or B.Sc. Honours Psychology degree.

<b>1. 0.5 credit in:</b>	0.5
PSYC 2301 [0.5] Introduction to Health Psychology	
<b>2. 3.0 credits from:</b>	<b>3.0</b>
PSYC 3300 [1.0] Health (Honours Seminar)	
PSYC 3301 [0.5] Sport and Performance Psychology	
PSYC 3302 [0.5] Positive Psychology	
PSYC 3403 [0.5] Addiction	

PSYC 3604 [0.5]	Clinical Psychology and Mental Illness
PSYC 3901 [0.5]	Practicum in Community Psychology
PSYC 3902 [0.5]	Practicum in Community Psychology
PSYC 3905 [1.0]	Practicum in Community Psychology
PSYC 4001 [0.5]	Special Topics in Psychology
PSYC 4301 [0.5]	Advanced Topics in Health Psychology
PSYC 4900 [0.5]	Independent Study
PSYC 4902 [0.5]	Independent Study
PSYC 4907 [1.0]	Thesis for B.Sc. with Honours in Psychology
PSYC 4908 [1.0]	Thesis for B.A. with Honours in Psychology
PSYC 4909 [1.0]	Project for B.Sc. with Honours in Psychology
PSYC 4910 [1.0]	Project for B.A. with Honours in Psychology
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Total Credits	3.5

Notes:

1. If PSYC 3901, PSYC 3902, or PSYC 3905 are presented in partial fulfillment of Item 2 above, the placements must be consistent with the theme of the concentration.
2. If PSYC 4001 is presented in partial fulfillment of Item 2 above, the focus of the special topic must be consistent with the theme of the concentration.
3. If PSYC 4900 or PSYC 4902 are presented in partial fulfillment of Item 2 above, the focus of the independent study must be consistent with the theme of the concentration.
4. If PSYC 4907, PSYC 4908, PSYC 4909 or PSYC 4910 are presented in partial fulfillment of Item 2 above, the focus of the thesis or project must be consistent with the theme of the concentration.

**Concentration in Organizational Psychology (3.5 credits)**

This concentration is open to all students in the B.A. Honours Psychology, B.Sc. Honours Psychology and the B.A Combined Honours program. Only one concentration may be taken in a Psychology program. A maximum of 12.0 credits may be counted towards a B.A. or B.Sc. Honours Psychology degree.

<b>1. 0.5 credit in:</b>	0.5
PSYC 2801 [0.5]	Organizational Psychology I
<b>2. 3.0 credits from:</b>	3.0
PSYC 2100 [0.5]	Introduction to Social Psychology
PSYC 3801 [0.5]	Organizational Psychology II
PSYC 3802 [0.5]	Transition to Career
PSYC 3805 [1.0]	Organizational Psychology (Honours Seminar)
PSYC 3901 [0.5]	Practicum in Community Psychology
PSYC 3902 [0.5]	Practicum in Community Psychology

PSYC 3905 [1.0]	Practicum in Community Psychology
PSYC 4001 [0.5]	Special Topics in Psychology
PSYC 4801 [0.5]	Occupational Health Psychology
PSYC 4802 [0.5]	Advanced Topics in Organizational Psychology
PSYC 4900 [0.5]	Independent Study
PSYC 4902 [0.5]	Independent Study
PSYC 4907 [1.0]	Thesis for B.Sc. with Honours in Psychology
PSYC 4908 [1.0]	Thesis for B.A. with Honours in Psychology
PSYC 4909 [1.0]	Project for B.Sc. with Honours in Psychology
PSYC 4910 [1.0]	Project for B.A. with Honours in Psychology
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Total Credits	3.5

Notes:

1. If PSYC 3901, PSYC 3902 or PSYC 3905 are presented in partial fulfillment of Item 2 above, the placements must be consistent with the theme of the concentration.
2. If PSYC 4001 is presented in partial fulfillment of Item 2 above, the special topic must be consistent with the theme of the concentration.
3. If PSYC 4900 or PSYC 4902 are presented in partial fulfillment of item 2 above, the focus of the independent study must be consistent with the theme of the concentration.
4. If PSYC 4907, PSYC 4908, PSYC 4909 or PSYC 4910 are presented in partial fulfillment of Item 2 above, the focus of the thesis or project must be consistent with the theme of the concentration.

**Concentration in Social/Personality Psychology (3.5 credits)**

This concentration is open to all students in the B.A. Honours Psychology, B.Sc. Honours Psychology, and the B.A Combined Honours program. Only one concentration may be taken in a Psychology program. A maximum of 12.0 credits may be counted towards a B.A. or B.Sc. Honours Psychology degree.

<b>1. 1.0 credit in:</b>	1.0
PSYC 2100 [0.5]	Introduction to Social Psychology
PSYC 2600 [0.5]	Introduction to the Study of Personality
<b>2. 2.5 credits from:</b>	2.5
PSYC 3100 [1.0]	Social Psychology (Honours Seminar)
PSYC 3104 [0.5]	Intergroup Relations: The Psychology of Conflict and Violence
PSYC 3106 [0.5]	Close Relationships
PSYC 3302 [0.5]	Positive Psychology
PSYC 3405 [0.5]	Psychology of Motivation and Emotion
PSYC 3600 [1.0]	Personality (Honours Seminar)
PSYC 3603 [0.5]	Psychology of Women

PSYC 3901 [0.5]	Practicum in Community Psychology
PSYC 3902 [0.5]	Practicum in Community Psychology
PSYC 3905 [1.0]	Practicum in Community Psychology
PSYC 4001 [0.5]	Special Topics in Psychology
PSYC 4100 [0.5]	Advanced Topics in Social Psychology
PSYC 4900 [0.5]	Independent Study
PSYC 4902 [0.5]	Independent Study
PSYC 4907 [1.0]	Thesis for B.Sc. with Honours in Psychology
PSYC 4908 [1.0]	Thesis for B.A. with Honours in Psychology
PSYC 4909 [1.0]	Project for B.Sc. with Honours in Psychology
PSYC 4910 [1.0]	Project for B.A. with Honours in Psychology
<b>Total Credits</b>	
	3.5

**Notes:**

1. If PSYC 3901, PSYC 3902 or PSYC 3905 are presented in partial fulfillment of Item 2 above, the focus of the placement must be consistent with the theme of the concentration.
2. If PSYC 4001 is presented in partial fulfillment of Item 2 above, the focus of the special topic must be consistent with the theme of the concentration.
3. If PSYC 4900 or PSYC 4902 are presented in partial fulfillment of Item 2 above, the focus of the independent study must be consistent with the theme of the concentration.
4. If PSYC 4907, PSYC 4908, PSYC 4909 or PSYC 4910 are presented in partial fulfillment of Item 2 above, the focus of the thesis or project must be consistent with the theme of the concentration.

**Stream in Mental Health and Well-Being (2.5 credits)**

The stream in Mental Health and Well-Being has limited enrollment and is restricted to students registered in the B.A. Honours Psychology program or B.Sc. Honours Psychology program with a concentration who have attained fourth-year standing, have a Major CGPA of 10.0 or above, and Department approval.

Students enrolled in the stream must satisfy the requirements for the Bachelor of Arts or Bachelor of Science in Psychology while satisfying the credit requirement for the concentration and the stream through appropriate choice of courses.

Students in the Concentration in Health Psychology must complete 1.0 credit from the list of concentration courses in consultation with the Department in addition to PSYC 3302 and PSYC 3604. Students in the Concentration in Social/Personality Psychology must complete 0.5 credit from the list of concentration courses in consultation with the Department in addition to PSYC 3302.

**Requirements**

<b>1. 2.5 credits in:</b>	2.5
PSYC 3302 [0.5]	Positive Psychology
PSYC 3604 [0.5]	Clinical Psychology and Mental Illness
PSYC 4330 [1.0]	Community Mental Health and Well-Being
PSYC 4333 [0.5]	Clinical Psychology: Assessment and Intervention

**Psychology  
B.A. (15.0 credits)**

**A. Credits Included in the Major CGPA (6.0 credits):**

<b>1. 1.0 credit in:</b>	1.0
PSYC 1001 [0.5]	Introduction to Psychology I
PSYC 1002 [0.5]	Introduction to Psychology II
<b>2. 1.0 credit in:</b>	1.0
PSYC 2001 [0.5]	Introduction to Research Methods in Psychology
PSYC 2002 [0.5]	Introduction to Statistics in Psychology

<b>3. 0.5 credit from:</b>	0.5
PSYC 2307 [0.5]	Human Neuropsychology I
PSYC 2700 [0.5]	Introduction to Cognitive Psychology

<b>4. 0.5 credit from:</b>	0.5
PSYC 2301 [0.5]	Introduction to Health Psychology
PSYC 2801 [0.5]	Organizational Psychology I

<b>5. 1.0 credit from:</b>	1.0
PSYC 2100 [0.5]	Introduction to Social Psychology
PSYC 2400 [0.5]	Introduction to Forensic Psychology
PSYC 2500 [0.5]	Foundations of Developmental Psychology
PSYC 2600 [0.5]	Introduction to the Study of Personality

<b>6. 1.0 credit in PSYC at 3000-level or above</b>	1.0
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<b>7. 1.0 credit in PSYC</b>	1.0
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**B. Credits Not Included in the Major CGPA (9.0 credits):**

8. 3.0 credits, not in PSYC	4.0
9. 3.0 credits at the 2000-level and above, not in PSYC	3.0
10. 3.0 credits in free electives	2.0

<b>Total Credits</b>	15.0
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**Course Categories for B.Sc. Programs**

The program description for B.Sc. Psychology makes use of the course categories defined for all B.Sc. programs (see Academic Regulations for the Bachelor of Science Degree):

- Science Faculty Electives
- Science Continuation Courses
- Free Elective

**Psychology  
B.Sc. Honours (20.0 credits)**

**A. Credits Included in the Major CGPA (9.0 credits):**

<b>1. 1.0 credit in:</b>	1.0
PSYC 1001 [0.5]	Introduction to Psychology I
PSYC 1002 [0.5]	Introduction to Psychology II

<b>2. 1.0 credit in:</b>		1.0
PSYC 2001 [0.5]	Introduction to Research Methods in Psychology	
PSYC 2002 [0.5]	Introduction to Statistics in Psychology	
<b>3. 0.5 credit from:</b>		0.5
PSYC 2307 [0.5]	Human Neuropsychology I	
PSYC 2700 [0.5]	Introduction to Cognitive Psychology	
<b>4. 0.5 credit from:</b>		0.5
PSYC 2301 [0.5]	Introduction to Health Psychology	
PSYC 2801 [0.5]	Organizational Psychology I	
<b>5. 1.0 credit from:</b>		1.0
PSYC 2100 [0.5]	Introduction to Social Psychology	
PSYC 2400 [0.5]	Introduction to Forensic Psychology	
PSYC 2500 [0.5]	Foundations of Developmental Psychology	
PSYC 2600 [0.5]	Introduction to the Study of Personality	
<b>6. 1.0 credit in:</b>		1.0
PSYC 3000 [1.0]	Design and Analysis in Psychological Research	
<b>7. 2.0 credits from:</b>		2.0
<b>a. Thesis Stream</b>		
<b>i. 1.0 credit from:</b>		
PSYC 3100 [1.0]	Social Psychology (Honours Seminar)	
PSYC 3300 [1.0]	Health (Honours Seminar)	
PSYC 3400 [1.0]	Forensic Psychology (Honours Seminar)	
PSYC 3500 [1.0]	Developmental Psychology (Honours Seminar)	
PSYC 3600 [1.0]	Personality (Honours Seminar)	
PSYC 3700 [1.0]	Cognition (Honours Seminar)	
PSYC 3805 [1.0]	Organizational Psychology (Honours Seminar)	
<b>ii. 1.0 credit in:</b>		
PSYC 4907 [1.0]	Thesis for B.Sc. with Honours in Psychology	
<b>or</b>		
<b>b. Project Stream</b>		
i. 1.0 credit in PSYC at 3000-level or higher		
ii. 1.0 credit in:		
PSYC 4909 [1.0]	Project for B.Sc. with Honours in Psychology	
<b>8. 1.0 credit in PSYC at 3000-level or higher</b>		1.0
<b>9. 1.0 credit in PSYC</b>		1.0
<b>B. Credits Not Included in the Major CGPA (11.0 credits):</b>		
<b>10. 1.0 credit in:</b>		1.0
MATH 1007 [0.5]	Elementary Calculus I	
MATH 1107 [0.5]	Linear Algebra I	
<b>11. 2.0 credits from:</b>		2.0
BIOL 1103 [0.5]	Foundations of Biology I	
& BIOL 1104 [0.5]	Foundations of Biology II	
CHEM 1001 [0.5]	General Chemistry I	
& CHEM 1002 [0.5]	General Chemistry II	
CHEM 1005 [0.5]	Elementary Chemistry I	
& CHEM 1006 [0.5]	Elementary Chemistry II	

GEOG 1010 [0.5]	Global Environmental Systems	
ERTH 1006 [0.5]	Exploring Planet Earth	
ERTH 1009 [0.5]	The Earth System Through Time	
PHYS 1007 [0.5]	Elementary University Physics I	
& PHYS 1008 [0.5]	Elementary University Physics II	
PHYS 1003 [0.5]	Introductory Mechanics and	
& PHYS 1004 [0.5]	Thermodynamics	
	Introductory Electromagnetism and	
	Wave Motion	
<b>12. 1.0 credit from</b>	Science Faculty Electives or from a discipline other than Psychology outside the faculties of Science and Engineering and Design (NSCI 1000 recommended)	1.0
<b>13. 2.0 credits from</b>	a discipline other than Psychology outside the faculties of Science and Engineering and Design	2.0
<b>14. 1.0 credit in</b>	Science Continuation (not PSYC)	1.0
<b>15. 1.0 credit in</b>	BIOL, CHEM, EARTH, MATH, STAT or PHYS at the 2000-level or above	1.0
<b>16. 3.0 credits in</b>	free electives	3.0
<b>Total Credits</b>		<b>20.0</b>

**Note:** registration in the seminars in **Item 7 a) i)** requires a Major CGPA of at least 9.0. Registration in the thesis course PSYC 4907 [1.0] requires a Major CGPA of at least 10.0.

### Minor in Human Resources and Management for B.A. Honours Psychology (5.0 credits)

Only students pursuing Bachelor of Arts Honours with a Major in Psychology who have completed at least 4.0 credits toward their degrees with a minimum overall CGPA of 7.00 may be admitted to Minor in Human Resources and Management. Students must successfully complete PSYC 2801 prior to entry in to the Minor, with a minimum grade of B+. PSYC 3801 must be successfully completed prior to taking any of the 4000-level BUSI courses listed in the Minor. Enrolment is limited.

Students who are required to leave the Minor due to a low Minor CGPA may not return to the Minor at any subsequent date.

**Students are required to present a Minor CGPA of 6.50 or higher at graduation in order to be awarded a Minor in Human Resources and Management for B.A. Honours Psychology.**

#### Requirements

<b>1. 1.0 credits in:</b>		1.0
PSYC 2801 [0.5]	Organizational Psychology I	
PSYC 3801 [0.5]	Organizational Psychology II	
<b>2. 1.0 credits in:</b>		1.0
BUSI 3102 [0.5]	Introduction to Human Resources Management	
BUSI 3103 [0.5]	Introduction to Organization Theory	
<b>3. 2.0 credits from:</b>		2.0
BUSI 3104 [0.5]	Managing Individual Performance	
BUSI 3105 [0.5]	Managing and Motivating Teams	
BUSI 3106 [0.5]	Managing Conflict and Negotiation	
BUSI 4104 [0.5]	Strategic Human Resources Management	
BUSI 4105 [0.5]	Managing Change	

BUSI 4112 [0.5]	Organizational Leadership	
<b>4. 0.5 credit in:</b>		0.5
BUSI 2204 [0.5]	Basic Marketing	
<b>5. 0.5 credit from:</b>		0.5
BUSI 2800 [0.5]	Entrepreneurship	
BUSI 3209 [0.5]	Consumer Behaviour	
Total Credits		5.0

### Minor in Psychology

Open to all undergraduate students in programs other than Psychology.

#### Requirements

<b>1. 1.0 credit in:</b>		1.0
PSYC 1001 [0.5]	Introduction to Psychology I	
PSYC 1002 [0.5]	Introduction to Psychology II	
<b>2. 1.0 credit in:</b>		1.0
PSYC 2001 [0.5]	Introduction to Research Methods	
& PSYC 2002 [0.5]	in Psychology Introduction to Statistics in Psychology	
<b>3. 2.0 credits in PSYC at the 2000-level or above</b>		2.0
4. The remaining requirements of the major discipline(s) and degree must be satisfied.		
Total Credits		4.0

### B.A. Regulations

The regulations presented below apply to all Bachelor of Arts programs. In addition to the requirements presented here, students must satisfy the University regulations common to all undergraduate students including the process of Academic Performance Evaluation (consult the Academic Regulations of the University section of this Calendar).

#### First-Year Seminars

B.A. degree students are strongly encouraged to include a First-Year Seminar (FYSM) during their first 4.0 credits of registration. Students are limited to 1.0 credit in FYSM and can only register in a FYSM while they have first-year standing in their B.A. program. Students who have completed the Enriched Support Program (ESP) or who are required to take a minimum of one English as a Second Language (ESLA) credit are not permitted to register in a FYSM.

#### Breadth Requirement

Among the credits presented at graduation, students in both the B.A. General and the B.A. Honours degrees and B.Co.M.S. are required to include 3.0 breadth credits, including 1.0 credit from each of three of the four Breadth Areas identified below. Credits that fulfil requirements in the Major, Minor, Concentration or Specialization may be used to fulfil the Breadth Requirement.

Students admitted with a completed university degree are exempt from breadth requirements.

Students in the following interdisciplinary programs are exempt from the B.A. breadth requirement.

- African Studies
- Criminology and Criminal Justice

- Environmental Studies
- Human Rights
- Human Rights and Social Justice

#### Breadth Area 1: Culture and Communication

American Sign Language, Art History, Art and Culture, Communication and Media Studies, Comparative Literary Studies, Digital Humanities, English, Film Studies, French, Journalism, Media Production and Design, Music, Performance in Public Sphere, and Languages (Arabic, English as a Second Language, German, Greek, Hebrew, Indigenous Languages, Italian, Japanese, Korean, Latin, Mandarin, Portuguese, Russian, Spanish)

**Subject codes:** ARAB, ARTH, ASLA, CHIN, CLST, COMS, DIGH, ENGL, ESLA, FILM, FINS, FREN, GERM, GREK, HEBR, ITAL, JAPA, JOUR, KORE, LANG, LATN, MPAD, MUSI, PIPS, PORT, RUSS, SPAN

#### Breadth Area 2: Humanities

African Studies, Applied Linguistics and Discourse Studies, Archaeology, Canadian Studies, Child Studies, Classical Civilization, Directed Interdisciplinary Studies, Disability Studies, European and Russian Studies, History, Human Rights, Humanities, Indigenous Studies, Latin American and Caribbean Studies, Linguistics, Medieval and Early Modern Studies, Philosophy, Religion, Sexuality Studies, South Asian Studies, and Women's and Gender Studies.

**Subject codes:** AFRI, ALDS, ARCY, CDNS, CHST, CLCV, DBST, DIST, EARR, HIST, HUMR, HUMS, INDG, LACS, LING, MEMS, PHIL, RELI, SAST, SXST, WGST

#### Breadth Area 3: Science, Engineering, and Design

Architecture, Biology, Chemistry, Computer Science, Earth Sciences, Engineering, Environmental Science, Food Science and Nutrition, Health Sciences, Industrial Design, Information Resource Management, Information Technology (BIT), Information Technology (ITEC), Interactive Multimedia and Design, Mathematics, Neuroscience, Network Technology, Optical Systems and Sensors, Photonics, Statistics, Physics, and Technology, Society, Environment.

**Subject codes:** AERO, ARCC, ARCH, ARCN, ARCS, ARCU, BIOC, BIOL, BIT, CHEM, CIVE, CMPS, COMP, ECOR, ELEC, ENSC, ENVE, ERTH, FOOD, HLTH, IDES, IMD, IRM, ISCI, ISCS, ISYS, ITEC, MAAE, MATH, MECH, NET, NEUR, NSCI, OSS, PHYS, PLT, SREE, STAT, SYSC, TSES

#### Breadth Area 4: Social Sciences

Anthropology, Business, Cognitive Science, Criminology and Criminal Justice, Economics, Environmental Studies, Geography, Geomatics, Global and International Studies, Global Politics, Interdisciplinary Public Affairs, International Affairs, Law, Migration and Diaspora Studies, Political Management, Political Science, Psychology, Public Administration, Public Affairs and Policy Management, Social Work, Sociology/Anthropology, Sociology

**Subject codes:** ANTH, BUSI, CGSC, CRCJ, ECON, ENST, GEOG, GEOM, GINS, GPOL, INAF, IPAF, LAWS, MGDS, PADM, PAMP, POLM, PSCI, PSYC, SOCI, SOWK

### Declared and Undeclared Students

Degree students are considered "Undeclared" if they have been admitted to a degree but have not yet selected and been accepted into a program within that degree. The status "Undeclared" is available only in the B.A. and B.Sc. degrees. See the Open Studies program section of this Calendar for recommended registration information. Normally, Undeclared students are required to be eligible to enter a program within their degree before reaching second year standing. Undeclared students should consult Academic Advising Centre for guidance in planning their studies prior to registration.

### Change of Program Within the B.A. Degree

Students may transfer to a program within the B.A. degree, if upon entry to the new program they would be in *Good Standing*. Other applications for change of program will be considered on their merits; students may be admitted to the new program in *Good Standing* or on Academic Warning. Students may apply to declare or change their program within the B.A. Degree at the Registrar's Office according to the published deadlines. Acceptance into a program or into a program element or option is subject to any enrollment limitations, specific program, program element or option requirements, as published in the relevant Calendar entry.

### Minors, Concentrations and Specializations

Students may apply to the Registrar's Office to be admitted to a minor, concentration or specialization during their first or subsequent years of study. Acceptance into a minor, concentration or specialization is subject to any specific requirements of the intended Minor, Concentration or Specialization as published in the relevant Calendar entry. Acceptance into a Concentration or Specialization requires that the student be in Good Standing.

### Mention : Français

Students registered in certain B.A. programs may earn the notation *Mention : Français* by completing part of their requirements in French and by demonstrating a knowledge of the history and culture of French Canada. The general requirements are listed below. For more specific details consult the departmental program entries.

Students in a B.A. Honours program must present:

1. 1.0 credit in French language;
2. 1.0 credit devoted to the history and culture of French Canada;
3. 1.0 credit at the 2000- or 3000-level and 1.0 credit at the 4000-level in the Honours discipline taken in French.

Students in a B.A. General program must present:

1. 1.0 credit in advanced French;
2. 1.0 credit devoted to the history and culture of French Canada;
3. 1.0 credit at the 2000- or 3000-level in the Major discipline taken in French.

Students in Combined Honours programs must fulfil the *Mention : Français* requirement in both disciplines.

Courses taught in French (Item 3, above) may be taken at Carleton, at the University of Ottawa on the Exchange Agreement, or at a francophone university on a Letter of Permission. Students planning to take courses on exchange or on a Letter of Permission should take careful note of the residence requirement for a minimum number of Carleton courses in their programs. Consult the *Academic Regulations of the University* section of this Calendar for information regarding study on Exchange or Letter of Permission.

### B.Sc. Regulations

The regulations presented in this section apply to all Bachelor of Science programs. In addition to the requirements presented here, students must satisfy the University regulations common to all undergraduate students including the process of Academic Performance Evaluation (see the *Academic Regulations of the University* section of this Calendar).

### Breadth Requirement for the B.Sc.

Students in Bachelor of Science Honours, Major, or General programs must present the following credits at graduation:

1. 2.0 credits in Science Continuation courses not in the major discipline; **students completing a double major are considered to have completed this requirement providing they have 2.0 credits in science continuation courses in each of the two majors**
2. 2.0 credits in courses outside of the faculties of Science and Engineering and Design (but may include NSCI 1000)

In most cases, the requirements for individual B.Sc. programs, as stated in this Calendar, contain these requirements, explicitly or implicitly.

Students admitted to B.Sc. programs by transfer from another institution must present at graduation (whether taken at Carleton or elsewhere):

1. 2.0 credits in courses outside of the faculties of Science and Engineering and Design (but may include NSCI 1000) if, on transfer, the student received credit for fewer than 10.0 credits.
2. 1.0 credit in courses outside of the faculties of Science and Engineering and Design (but may include NSCI 1000) if, on transfer, the student received credit for 10.0 or more credits.

### Declared and Undeclared Students

Students who are registered in a program within the degree are called Declared students. Most students designate a program of study when they first apply for admission and so begin their studies as Declared students. Students may also choose to begin their studies within the B.Sc. degree without being registered in a program. These students are referred to as Undeclared students. The recommended course pattern for Undeclared students is provided in the Undeclared entry of the Programs section of this Calendar. Undeclared students normally must apply to enter a program before

beginning their second year of study. The Science Student Success Centre (SSSC) provides Undeclared students guidance to the appropriate support services in making this decision.

### Change of Program within the B.Sc. Degree

Students may transfer to a program within the B.Sc. degree if upon entry to the new program they would be in good academic standing.

Other applications for change of program will be considered on their merits; students may be accepted in the new program in *Good Standing* or on *Academic Warning*.

Applications to declare or change their program within the B.Sc. Degree must be made online through Carleton Central by completing a Change of Program Elements (COPE) application form within the published deadlines. Acceptance into a program or into a program element or option is subject to any enrolment, and/or specific program, program element or option requirements as published in the relevant Calendar entry.

### Minors, Concentrations and Specializations

Students may add a minor, concentration or specialization by completing a Change of Program Elements (COPE) application form online through Carleton Central. Acceptance into a minor, concentration or specialization requires that the student be in *Good Standing* and is subject to any specific requirements of the intended Minor, Concentration or Specialization as published in the relevant Calendar entry.

### Experimental Science Requirement

Students in B.Sc. Honours, Major, or General degree programs must present at graduation at least two full credits of experimental science chosen from two different departments or institutes from the list below:

#### Approved Experimental Science Courses

##### Biochemistry

BIOC 2200 [0.5]	Cellular Biochemistry
BIOC 4001 [0.5]	Methods in Biochemistry
BIOC 4201 [0.5]	Advanced Cell Culture and Tissue Engineering

##### Biology

BIOL 1103 [0.5]	Foundations of Biology I
BIOL 1104 [0.5]	Foundations of Biology II
BIOL 2001 [0.5]	Animals: Form and Function
BIOL 2002 [0.5]	Plants: Form and Function
BIOL 2104 [0.5]	Introductory Genetics
BIOL 2200 [0.5]	Cellular Biochemistry
BIOL 2600 [0.5]	Ecology

##### Chemistry

CHEM 1001 [0.5]	General Chemistry I
CHEM 1002 [0.5]	General Chemistry II
CHEM 1005 [0.5]	Elementary Chemistry I
CHEM 1006 [0.5]	Elementary Chemistry II
CHEM 2103 [0.5]	Physical Chemistry I
CHEM 2203 [0.5]	Organic Chemistry I
CHEM 2204 [0.5]	Organic Chemistry II
CHEM 2302 [0.5]	Analytical Chemistry I

CHEM 2303 [0.5]	Analytical Chemistry II
CHEM 2800 [0.5]	Foundations for Environmental Chemistry

##### Earth Sciences

ERTH 1006 [0.5]	Exploring Planet Earth
ERTH 1009 [0.5]	The Earth System Through Time
ERTH 2102 [0.5]	Mineralogy to Petrology
ERTH 2404 [0.5]	Engineering Geoscience
ERTH 2802 [0.5]	Field Geology I
ERTH 3111 [0.5]	Vertebrate Evolution: Mammals, Reptiles, and Birds
ERTH 3112 [0.5]	Vertebrate Evolution: Fish and Amphibians
ERTH 3204 [0.5]	Mineral Deposits
ERTH 3205 [0.5]	Physical Hydrogeology
ERTH 3806 [0.5]	Structural Geology

##### Food Sciences

FOOD 3001 [0.5]	Food Chemistry
FOOD 3002 [0.5]	Food Analysis
FOOD 3005 [0.5]	Food Microbiology

##### Geography

GEOG 1010 [0.5]	Global Environmental Systems
GEOG 3108 [0.5]	Soil Properties

##### Neuroscience

NEUR 3206 [0.5]	Sensory and Motor Neuroscience
NEUR 3207 [0.5]	Systems Neuroscience
NEUR 4600 [0.5]	Advanced Lab in Neuroanatomy

##### Physics

PHYS 1001 [0.5]	Foundations of Physics I
PHYS 1002 [0.5]	Foundations of Physics II
PHYS 1003 [0.5]	Introductory Mechanics and Thermodynamics
PHYS 1004 [0.5]	Introductory Electromagnetism and Wave Motion
PHYS 1007 [0.5]	Elementary University Physics I
PHYS 1008 [0.5]	Elementary University Physics II
PHYS 2202 [0.5]	Wave Motion and Optics
PHYS 2604 [0.5]	Modern Physics I
PHYS 3007 [0.5]	Third Year Physics Laboratory: Selected Experiments and Seminars
PHYS 3606 [0.5]	Modern Physics II
PHYS 3608 [0.5]	Modern Applied Physics

### Course Categories for B.Sc. Programs

#### Science Geography Courses

GEOG 1010 [0.5]	Global Environmental Systems
GEOG 2006 [0.5]	Introduction to Quantitative Research
GEOG 2013 [0.5]	Weather and Water
GEOG 2014 [0.5]	The Earth's Surface
GEOG 3003 [0.5]	Quantitative Geography
GEOG 3010 [0.5]	Field Methods in Physical Geography
GEOG 3102 [0.5]	Geomorphology
GEOG 3103 [0.5]	Watershed Hydrology
GEOG 3104 [0.5]	Principles of Biogeography
GEOG 3105 [0.5]	Climate and Atmospheric Change
GEOG 3106 [0.5]	Aquatic Science and Management

GEOG 3108 [0.5]	Soil Properties
GEOG 4000 [0.5]	Field Studies
GEOG 4005 [0.5]	Directed Studies in Geography
GEOG 4013 [0.5]	Cold Region Hydrology
GEOG 4017 [0.5]	Global Biogeochemical Cycles
GEOG 4101 [0.5]	Two Million Years of Environmental Change
GEOG 4103 [0.5]	Water Resources Engineering
GEOG 4104 [0.5]	Microclimatology
GEOG 4108 [0.5]	Permafrost

### Science Psychology Courses

PSYC 2001 [0.5]	Introduction to Research Methods in Psychology
PSYC 2002 [0.5]	Introduction to Statistics in Psychology
PSYC 2700 [0.5]	Introduction to Cognitive Psychology
PSYC 3000 [1.0]	Design and Analysis in Psychological Research
PSYC 3506 [0.5]	Cognitive Development
PSYC 3700 [1.0]	Cognition (Honours Seminar)
PSYC 3702 [0.5]	Perception
PSYC 2307 [0.5]	Human Neuropsychology I
PSYC 3307 [0.5]	Human Neuropsychology II

### Science Continuation Courses

A course at the 2000 level or above may be used as a Science Continuation credit in a B.Sc. program if it is not in the student's major discipline, and is chosen from the following:

BIOC (Biochemistry)

BIOL (Biology)

CHEM (Chemistry)

COMP (Computer Science) A maximum of two half-credits at the 1000-level in COMP, excluding COMP 1001 may be used as Science Continuation credits.

ERTH (Earth Sciences), except ERTH 2415 which may be used only as a free elective for any B.Sc. program. Students in Earth Sciences programs may use ERTH 2401, ERTH 2402, and ERTH 2403 only as free electives.

Engineering. Students wishing to register in Engineering courses must obtain the permission of the Faculty of Engineering and Design.

ENSC (Environmental Science)

FOOD (Food Science and Nutrition)

GEOM (Geomatics)

HLTH (Health Sciences)

MATH (Mathematics)

NEUR (Neuroscience)

PHYS (Physics), except PHYS 2903

Science Geography Courses (see list above)

Science Psychology Courses (see list above)

STAT (Statistics)

TSES (Technology, Society, Environment) except TSES 2305. Biology General, Major, and Honours students may use these courses only as free electives. Integrated Science and Environmental Science students may include these courses in their programs but may not count them as part of the Science Sequence.

### Science Faculty Electives

Science Faculty Electives are courses at the 1000-4000 level chosen from:

BIOC (Biochemistry)

BIOL (Biology) Biology & Biochemistry students may use BIOL 1010 and BIOL 2005 only as free electives

CHEM (Chemistry) except CHEM 1003, CHEM 1004 and CHEM 1007

COMP (Computer Science) except COMP 1001

ERTH (Earth Sciences) except ERTH 1010, ERTH 1011 and ERTH 2415. Earth Sciences students may use ERTH 2401, ERTH 2402, and ERTH 2403 only as free electives.

Engineering

ENSC 2001

FOOD (Food Science and Nutrition)

GEOM (Geomatics)

HLTH (Health Science)

MATH (Mathematics)

NEUR (Neuroscience)

PHYS (Physics) except PHYS 1901, PHYS 1902, PHYS 1905, PHYS 2903

Science Geography (see list above)

Science Psychology (see list above)

STAT (Statistics)

TSES (Technology, Society, Environment) Biology General, Major and Honours students may use these courses only as free electives.

### Advanced Science Faculty Electives

Advanced Science Faculty Electives are courses at the 2000-4000 level chosen from the Science Faculty Electives list above.

### Approved Courses Outside the Faculties of Science and Engineering and Design (may include NSCI 1000)

All courses offered by the Faculty of Arts and Social Sciences, the Faculty of Public Affairs, and the Sprott School of Business are approved as Arts or Social Sciences courses EXCEPT FOR: All Science Geography courses (see list above), all Geomatics (GEOM) courses, all Science Psychology courses (see list above). NSCI 1000 may be used as an Approved Course Outside the Faculties of Science and Engineering and Design.

### Free Electives

Any course is allowable as a Free Elective providing it is not prohibited (see below). Students are expected to comply with prerequisite requirements and enrolment restrictions for all courses as published in this Calendar.

### Courses Allowable Only as Free Electives in any B.Sc. Program

CHEM 1003 [0.5] The Chemistry of Food, Health and Drugs

CHEM 1004 [0.5] Drugs and the Human Body

CHEM 1007 [0.5]	Chemistry of Art and Artifacts
ERTH 1010 [0.5]	Our Dynamic Planet Earth
ERTH 1011 [0.5]	Evolution of the Earth
ERTH 2415 [0.5]	Natural Disasters
ISCI 1001 [0.5]	Introduction to the Environment
ISCI 2000 [0.5]	Natural Laws
ISCI 2002 [0.5]	Human Impacts on the Environment
MATH 0107 [0.5]	Algebra and Geometry
PHYS 1901 [0.5]	Planetary Astronomy
PHYS 1902 [0.5]	From our Star to the Cosmos
PHYS 1905 [0.5]	Physics Behind Everyday Life
PHYS 2903 [0.5]	Physics Towards the Future

#### Prohibited Courses

The following courses are not acceptable for credit in any B.Sc. program:

COMP 1001 [0.5]	Introduction to Computational Thinking for Arts and Social Science Students
MATH 0005 [0.5]	Precalculus: Functions and Graphs
MATH 0006 [0.5]	Precalculus: Trigonometric Functions and Complex Numbers
MATH 1009 [0.5]	Calculus: with Applications to Business
MATH 1119 [0.5]	Linear Algebra: with Applications to Business
MATH 1401 [0.5]	Elementary Mathematics for Economics I
MATH 1402 [0.5]	Elementary Mathematics for Economics II

#### Co-operative Education

For more information about how to apply for the Co-op program and how the Co-op program works please visit the Co-op website.

All students participating in the Co-op program are governed by the Undergraduate Co-operative Education Policy.

#### Undergraduate Co-operative Education Policy Admission Requirements

Students can apply to co-op in one of two ways; directly from high school or after beginning a degree program at Carleton.

If a student is admitted to co-op from high school, their grades will be reviewed two terms to one year prior to their first work term to ensure they continue to meet the academic requirements after their 1st or 2nd year of study. The time at which evaluation takes place depends on the program of study. Students will automatically be notified via their Carleton email account if they are permitted to continue.

Students not admitted to Carleton University with the co-op option on their degree can apply for admission via the co-operative education program website. To view application deadlines, visit [carleton.ca/co-op](http://carleton.ca/co-op).

Admission to the co-op option is based on the completion of 5.0 or more credits at Carleton University, the CGPA requirement for the students' academic program as well

as any course prerequisites. The articulated CGPA for each program is the normal standard for assessment. Please see the specific degree program sections for the unique admission and continuation requirements for each academic program.

#### English Language Proficiency

Students admitted to Carleton based on CAEL, IELTS or TOEFL assessments and who are required to take an ESL course must take and pass the Oral Proficiency in Communicative Settings (OPECS) Test. The test must be taken before being permitted to register in COOP 1000. Admission to the co-op program can be confirmed with a minimum score of 4+.

#### Participation Requirements

##### COOP 1000

Once a student has been given admission or continuation confirmation to the co-op option s/he must complete and pass COOP 1000 (a mandatory online 0.0 credit course). Students will have access to this course a minimum of two terms prior to their first work term and will be notified when to register.

##### Communication with the Co-op Office

Students must maintain contact with the co-op office during their job search and while on a work term. All email communication will be conducted via the students' Carleton email account.

##### Employment

Although every effort is made to ensure a sufficient number of job postings for all students enrolled in the co-op option of their degree program, no guarantee of employment can be made. Carleton's co-op program operates a competitive job search process and is dependent upon current market conditions. Academic performance, skills, motivation, maturity, attitude and potential will determine whether a student is offered a job. It is the student's responsibility to actively conduct a job search in addition to participation in the job search process operated by the co-op office. Once a student accepts a co-op job offer (verbally or written), his/her job search will end and access to co-op jobs will be removed for that term. Students that do not successfully obtain a co-op work term are expected to continue with their academic studies. The summer term is the exception to this rule. Students should also note that hiring priority is given to Canadian citizens for co-op positions in the Federal Government of Canada.

##### Registering in Co-op Courses

Students will be registered in a Co-op Work Term course while at work. The number of Co-op Work Term courses that a student is registered in is dependent upon the number of four-month work terms that a student accepts.

While on a co-op work term students may take a maximum of 0.5 credit throughout each four-month co-op work term. Courses must be scheduled outside of regular working hours.

Students must be registered as full-time before they begin their co-op job search (2.0 credits). All co-op work terms must be completed before the beginning of the final

academic term. Students may not finish their degree on a co-op work term.

### Work Term Assessment and Evaluation

To obtain a Satisfactory grade for the co-op work term students must have:

1. A satisfactory work term evaluation by the co-op employer;
2. A satisfactory grade on the work term report.

Students must submit a work term report at the completion of each four-month work term. Reports are due on the 16th of April, August, and December and students are notified of due dates through their Carleton email account.

Workplace performance will be assessed by the workplace supervisor. Should a student receive an unsatisfactory rating from their co-op employer, an investigation by the co-op program manager will be undertaken. An unsatisfactory employer evaluation does not preclude a student from achieving an overall satisfactory rating for the work term.

### Graduation with the Co-op Designation

In order to graduate with the co-op designation, students must satisfy all requirements for their degree program in addition to the requirements according to each co-op program (i.e. successful completion of three or four work terms).

Note: Participation in the co-op option will add up to one additional year for a student to complete their degree program.

### Voluntary Withdrawal from the Co-op Option

Students may withdraw from the co-op option of their degree program during a study term ONLY. Students at work may not withdraw from the work term or the co-op option until s/he has completed the requirements of the work term.

Students are eligible to continue in their regular academic program provided that they meet the academic standards required for continuation.

### Involuntary or Required Withdrawal from the Co-op Option

Students may be required to withdraw from the co-op option of their degree program for one or any of the following reasons:

1. Failure to achieve a grade of SAT in COOP 1000
2. Failure to pay all co-op related fees
3. Failure to actively participate in the job search process
4. Failure to attend all interviews for positions to which the student has applied
5. Declining more than one job offer during the job search process
6. Continuing a job search after accepting a co-op position
7. Dismissal from a work term by the co-op employer
8. Leaving a work term without approval by the Co-op manager

9. Receipt of an unsatisfactory work term evaluation
10. Submission of an unsatisfactory work term report

### Standing and Appeals

The Co-op and Career Services office administers the regulations and procedures that are applicable to all co-op program options. All instances of a student's failure during a work term or other issues directly related to their participation in the co-op option will be reported to the academic department.

Any decision made by the Co-op and Career Services office can be appealed via the normal appeal process within the University.

### International Students

All International Students are required to possess a Co-op Work Permit issued by Immigration, Refugees and Citizenship Canada before they can begin working. It is illegal to work in Canada without the proper authorization. Students will be provided with a letter of support to accompany their application. Students must submit their application for their permit before being permitted to view and apply for jobs on the Co-op Services database. Confirmation of a position will not be approved until a student can confirm they have received their permit. Students are advised to discuss the application process and requirements with the International Student Services Office.

### B.A. Honours Psychology: Co-op Admission and Continuation Requirements

- Maintain full-time status in each study term (2.0 credits);
- Be eligible to work in Canada (for off-campus work)
- Have successfully completed COOP 1000 [0.0]

In addition to the following:

1. Have an overall minimum CGPA of 9.50 and a major CGPA of 9.5 at the end of first year of academic study
2. Have second-year standing
3. Have successfully completed, by the start-date of the first work term, PSYC 2001 and PSYC 2002

Students in B.A. Honours Psychology must successfully complete three (3) work terms to obtain the Co-op designation.

**Work Term Report Course:** PSYC 3999

**Work/Study Pattern:**

Year 1		Year 2		Year 3		Year 4		Year 5	
Term	Pattern								
Fall	S	Fall	S	Fall	S	Fall	W/S	Fall	S
Winter	S	Winter	S	Winter	S	Winter	W/S	Winter	S
Summer		Summer	O	Summer	W	Summer	W/S		

### Legend

**S:** Study

**W:** Work

**O:** Optional

\* indicates recommended work study pattern

\*\* student finds own employer for this work-term.

## Admissions Information

Admission Requirements are for the 2020-21 year only, and are based on the Ontario High School System. Holding the minimum admission requirements only establishes eligibility for consideration. The cut-off averages for admission may be considerably higher than the minimum. See also the **General Admission and Procedures** section of this Calendar. An overall average of at least 70% is normally required to be considered for admission. Some programs may also require specific course prerequisites and prerequisite averages and/or supplementary admission portfolios. Higher averages are required for admission to programs for which the demand for places by qualified applicants exceeds the number of places available. The overall average required for admission is determined each year on a program by program basis. Consult [admissions.carleton.ca](http://admissions.carleton.ca) for further details.

Note: Courses listed as *recommended* are not mandatory for admission. Students who do not follow the recommendations will not be disadvantaged in the admission process.

## Admission Requirements

### Degrees

- Bachelor of Arts (B.A.)(Honours)
- Bachelor of Arts (B.A.)(General)

### First Year

*For B.A. (General) and B.A. (Honours)*

The Ontario Secondary School Diploma (OSSD) or equivalent including a minimum of six 4U or M courses. The six 4U or M courses must include a 4U course in English (or *anglais*). For applicants whose first language is not English, the requirement of English can also be met under the conditions outlined in the section "English Language Requirements" in the Admissions Requirements and Procedures section of this Calendar.

The cut-off average for admission will be set annually and will normally be above the minimum requirement. Applicants falling slightly below the cut-off average will be considered on an individual basis to determine whether there are special circumstances that would permit their admission. Students who feel that their high school grade average does not reflect their potential may apply to the Enriched Support Program (see the Enriched Support Program section of this Calendar).

### Advanced Standing

#### B.A. (General and Honours) Program

Applications for admission to the second or subsequent years will be assessed on their merits. Advanced standing will be granted only for those courses that are determined to be appropriate.

### Direct Admission to the First Year of the Co-op Option

Anthropology and Sociology, English, European and Russian Studies, French, History, Law, Political Science, Psychology

Applicants must:

1. meet the required overall admission cut-off average and prerequisite course average. These averages may be higher than the stated minimum requirements;
2. be registered as a full-time student in the Bachelor of Arts Honours with one of the majors listed above;
3. be eligible to work in Canada (for off-campus work placements).

Meeting the above requirements only establishes eligibility for admission to the program. The prevailing job market may limit enrolment in the co-op option. Students should also note that hiring priority is given to Canadian citizens for co-op positions in the Public Service Commission.

Note: continuation requirements for students previously admitted to the co-op option and admission requirements for the co-op option after beginning the program are described in the Co-operative Education Regulations section of this Calendar.

## Admissions Information

Admission Requirements are for the 2020-21 year only, and are based on the Ontario High School System. Holding the minimum admission requirements only establishes eligibility for consideration. The cut-off averages for admission may be considerably higher than the minimum. See also the **General Admission and Procedures** section of this Calendar. An overall average of at least 70% is normally required to be considered for admission. Some programs may also require specific course prerequisites and prerequisite averages and/or supplementary admission portfolios. Higher averages are required for admission to programs for which the demand for places by qualified applicants exceeds the number of places available. The overall average required for admission is determined each year on a program by program basis. Consult [admissions.carleton.ca](http://admissions.carleton.ca) for further details.

Note: Courses listed as *recommended* are not mandatory for admission. Students who do not follow the recommendations will not be disadvantaged in the admission process.

### Degrees

- B.Sc. (Honours)
- B.Sc. (General)
- B.Sc. (Major)

## Admission Requirements

### Honours Program

#### First Year

The Ontario Secondary School Diploma (OSSD) or equivalent including a minimum of six 4U or M courses. For most programs including Biochemistry, Bioinformatics, Biotechnology, Chemistry, Combined Honours in Biology and Physics, Chemistry and Physics, Computational Biochemistry, Food Science, Nanoscience, Neuroscience, Neuroscience and Mental Health, and Psychology, the six 4U or M courses must include Advanced Functions and

two of Biology, Chemistry, Earth and Space Sciences or Physics. (Calculus and Vectors is strongly recommended).

### **Specific Honours Admission Requirements**

For the Honours programs in Earth Sciences, Environmental Science, Geomatics, Interdisciplinary Science and Practice, and Physical Geography, Calculus and Vectors may be substituted for Advanced Functions.

For the Honours programs in Physics and Applied Physics and for double Honours in Mathematics and Physics, Calculus and Vectors is required in addition to Advanced Functions and one of 4U Physics Chemistry, Biology, or Earth and Space Sciences. For all programs in Physics, 4U Physics is strongly recommended.

For the Combined Honours program in Chemistry and Computer Science, 4U Chemistry and Calculus and Vectors are strongly recommended.

For Honours in Psychology, a 4U course in English is recommended.

For Honours in Environmental Science, a 4U course in Biology and Chemistry is recommended.

### **Advanced Standing**

For entry to an Honours program after the completion of 5.0 included credits, a student must have a major CGPA of 5.50 or higher, an overall CGPA of 4.50 or higher and the recommendation of the Honours department or committee. A student beginning the final 10.0 credits towards an Honours degree must present a major CGPA of 6.00 or higher, an overall CGPA of 5.00 or higher and the recommendation of the Honours department or committee. A student beginning the final 5.0 credits towards an Honours degree must present a major CGPA of 6.50 or higher and an overall CGPA of 5.00 or higher, as calculated for graduation. Advanced standing will be granted for studies undertaken elsewhere when these are recognized as the equivalent of subjects offered at Carleton University.

### **Major Program**

#### **General Program**

#### **First Year**

The Ontario Secondary School Diploma (OSSD) or equivalent including a minimum of six 4U or M courses. The six 4U or M courses must include Advanced Functions and two of Calculus and Vectors, Biology, Chemistry, Earth and Space Science or Physics (Calculus and Vectors is strongly recommended). For the B.Sc. Major in Physics. 4U Physics is strongly recommended. Equivalent courses may be substituted between the old and new Ontario mathematics curriculum.

#### **Advanced Standing**

For entry to a General or Major program after the completion of 5.0 included credits, a student must have a major and core CGPA of 3.50 or higher and an overall CGPA of 3.50 or higher. A student beginning the final 5.0 credits towards a General or Major degree must present a major and core CGPA of 4.00 or higher and an overall CGPA of 4.00 or higher, as calculated for graduation.

Advanced standing will be granted for studies undertaken elsewhere when these are recognized as the equivalent of subjects offered at Carleton University.

### **Co-op Option**

#### **Direct Admission to the First Year of the Co-op Option**

Applicants must:

1. meet the required overall admission cut-off average and prerequisite course average. These averages may be higher than the stated minimum requirements;
2. be registered as a full-time student in the Bachelor of Science Honours program;
3. be eligible to work in Canada (for off-campus work placements).

Note that meeting the above requirements only establishes eligibility for admission to the program. The prevailing job market may limit enrolment in the co-op option.

Note: continuation requirements for students previously admitted to the co-op option and admission requirements for the co-op option after beginning the program are described in the Co-operative Education Regulations section of this Calendar.

### **Psychology (PSYC) Courses**

#### **PSYC 1001 [0.5 credit]**

##### **Introduction to Psychology I**

A survey of topics associated with psychology's role as a natural science, including neuroscience, cognition, and learning.

Precludes additional credit for PSYC 1000.

Lecture three hours a week.

#### **PSYC 1002 [0.5 credit]**

##### **Introduction to Psychology II**

A survey of topics associated with psychology's role as a social science, including social psychology, personality, clinical psychology, and mental health.

Precludes additional credit for PSYC 1000.

Prerequisite(s): PSYC 1001.

Lecture three hours a week.

#### **PSYC 2001 [0.5 credit]**

##### **Introduction to Research Methods in Psychology**

A general introduction to research methodologies employed within contemporary psychology. Topics covered include research designs (experimental, quasi-experimental) and techniques (observations, surveys), basic descriptive statistics, and how to interpret and report research findings.

Precludes additional credit for NEUR 2001 and PSYC 2000 (no longer offered).

Prerequisite(s): PSYC 1001 and PSYC 1002.

Lecture three hours a week. May include laboratories.

**PSYC 2002 [0.5 credit]****Introduction to Statistics in Psychology**

A general introduction to statistical techniques employed within contemporary psychology. Topics include basic data analysis using descriptive and inferential statistics (t-tests, ANOVA, correlation, chi-square).

Precludes additional credit for NEUR 2002.

Prerequisite(s): PSYC 2001.

Lecture three hours a week. May include laboratories.

**PSYC 2100 [0.5 credit]****Introduction to Social Psychology**

Introduction to social psychology, including a survey of theories, issues, methods, and findings. This course will explore how social situations may influence people's thoughts, feelings, and behaviours. Topics may include social cognition, self-knowledge, persuasion, interpersonal attraction, aggression, and prosocial behaviour.

Precludes additional credit for SOCI 2150.

Prerequisite(s): PSYC 1001 and PSYC 1002.

Lectures three hours a week.

**PSYC 2301 [0.5 credit]****Introduction to Health Psychology**

Introduction to health psychology, including a survey of theories, issues, methods, and findings. Using a multidisciplinary approach, topics may include the reciprocal interactions among physical health and illness, and psychological factors, including emotional well-being, coping and appraisal processes.

Precludes additional credit for PSYC 3406.

Prerequisite(s): PSYC 1001 and PSYC 1002.

Lectures three hours a week.

**PSYC 2307 [0.5 credit]****Human Neuropsychology I**

Introduction to study of brain-behaviour relationships, including a survey of theories, issues, methods, and findings. Topics may include basic anatomy and physiology of the human nervous system, including sensory and motor functions. Neural basis of language, perception, emotion, learning, memory, decision making and social cognition.

Prerequisite(s): PSYC 1001 and PSYC 1002.

Lectures three hours a week.

**PSYC 2400 [0.5 credit]****Introduction to Forensic Psychology**

Introduction to forensic psychology, including a survey of theories, issues, methods, and findings. Topics covered may include development of offending, eyewitness testimony, victim studies, risk assessment, offender rehabilitation, offender classification, and police studies.

Prerequisite(s): PSYC 1001 and PSYC 1002.

Lectures three hours a week.

**PSYC 2500 [0.5 credit]****Foundations of Developmental Psychology**

Introduction to developmental psychology, including a survey of theories, issues, methods, and findings. Topics may include biological underpinnings and genetics, as well as selected aspects of language, cognitive, moral, emotional, and social development.

Prerequisite(s): PSYC 1001 and PSYC 1002.

Lectures three hours a week.

**PSYC 2600 [0.5 credit]****Introduction to the Study of Personality**

Introduction to the study of personality, including a survey of theories, issues, methods, and findings. Explores the factors that contribute to people's personality and influence how they interact with others. Topics may include traits, motives, the self, physiology, the unconscious, relationships, stress and coping.

Prerequisite(s): PSYC 1001 and PSYC 1002.

Lectures three hours a week.

**PSYC 2700 [0.5 credit]****Introduction to Cognitive Psychology**

Introduction to cognitive processes, including a survey of theories, issues, methods and findings. Topics covered may include pattern recognition, attention, imagery, learning (animal and human), memory, language, and thinking.

Prerequisite(s): PSYC 1001 and PSYC 1002.

Lectures three hours a week.

**PSYC 2801 [0.5 credit]****Organizational Psychology I**

Introduction to the study of organizational psychology, including a survey of theories, issues, methods, and findings. Examines individual and group behaviour in organizational settings. Topics may include understanding work-related attitudes, behaviour, motivation, and stress, personnel selection, personality in the workplace, organizational justice, and leadership.

Precludes additional credit for PSYC 3105, PSYC 3803 (no longer offered).

Prerequisite(s): PSYC 1001 and PSYC 1002.

Lectures three hours per week.

**PSYC 3000 [1.0 credit]****Design and Analysis in Psychological Research**

Techniques in data analysis, probability, sampling distributions, and procedures of estimation. Topics include classical, Bayesian, and distribution free approaches to hypothesis testing, linear regression and curve fitting, and analysis of variance methods in experimental design. Techniques are applied with appropriate statistical software (e.g., SPSS, Excel).

Includes: Experiential Learning Activity

Prerequisite(s): third-year standing, PSYC 2001, and PSYC 2002.

Lectures and tutorial four hours a week.

**PSYC 3001 [0.5 credit]****Psychological Testing**

An introduction to theory and issues pertaining to psychological tests. Topics include the creation, assessment, scoring, and interpretation of results across different testing formats (questionnaires, surveys, structured interviews, performance-based measurements). Classical and modern techniques will be incorporated. Students will apply psychological testing theory through assignments.

Prerequisite(s): PSYC 2001 and PSYC 2002.

Lectures three hours a week.

**PSYC 3100 [1.0 credit]****Social Psychology (Honours Seminar)**

An introduction to theory and research in social psychology. Activities include reading and assessing the appropriate literature, designing studies and experiments, conducting data analyses, and producing APA style reports. Research ethics and graduate studies are also addressed. Taught in preparation of fourth year thesis.

Includes: Experiential Learning Activity

Prerequisite(s): PSYC 2001, PSYC 2002, PSYC 2100, third-year Honours standing in Psychology with a CGPA of 9.0 or higher in the major and permission of the Department.

Seminars and laboratories six hours a week.

**PSYC 3104 [0.5 credit]****Intergroup Relations: The Psychology of Conflict and Violence**

In-depth coverage of the social psychology of relations within and between large societal groups. Topics may include social identity, stereotyping, prejudice, and intergroup emotions, with emphasis on their role in promoting conflict and paths to pro-social intergroup relations.

Also listed as SOWK 3103.

Precludes additional credit for PSYC 3103 (no longer offered).

Prerequisite(s): PSYC 2100.

Lectures three hours per week.

**PSYC 3106 [0.5 credit]****Close Relationships**

A consideration of relationship science, with a focus on social psychological theory and empirical approaches to the study of close relationships such as dating and marital relationships, and friendships. Topics may include relationship initiation, relationship maintenance, and coping with the dissolution of relationships.

Prerequisite(s): PSYC 2100.

Lectures three hours per week.

**PSYC 3300 [1.0 credit]****Health (Honours Seminar)**

An applied introduction to theory and research in health psychology. Activities include reading and assessing the appropriate literature, designing studies and experiments, conducting data analyses, and producing APA style reports. Research ethics and graduate studies are also addressed. Taught in preparation of fourth year thesis.

Includes: Experiential Learning Activity

Prerequisite(s): PSYC 2001, PSYC 2002, PSYC 2301, third-year Honours standing in Psychology with a CGPA of 9.0 or higher in the major and permission of the Department.

Seminars and laboratories six hours a week.

**PSYC 3301 [0.5 credit]****Sport and Performance Psychology**

How psychological processes influence outcomes across sport and performance environments. Topics may include self-confidence, goal-setting, arousal regulation, imagery, group dynamics, burnout, injury recovery, and how person and situational factors affect the pursuit of excellence.

Prerequisite(s): one of PSYC 2100, PSYC 2301, PSYC 2500, PSYC 2600.

Lectures three hours a week.

**PSYC 3302 [0.5 credit]****Positive Psychology**

A review of theoretical, historical, and empirical scholarship in positive psychology. Drawing widely across traditional sub-disciplines, content focuses on human strengths, well-being, resilience, and virtue to understand internal, external, and developmental contributors to health and happiness.

Prerequisite(s): one of PSYC 2100, PSYC 2301, PSYC 2500, PSYC 2600.

Lectures three hours a week.

**PSYC 3307 [0.5 credit]****Human Neuropsychology II**

Cortical metabolism and research methods for assessment of cortical function, neuropsychological testing in the context of neurological, psychiatric and cognitive disorders caused by nervous system damage or genetic anomaly.

Precludes additional credit for PSYC 3207 (no longer offered).

Prerequisite(s): PSYC 2307.

Lectures three hours a week.

**PSYC 3400 [1.0 credit]****Forensic Psychology (Honours Seminar)**

An applied introduction to theory and research in forensic psychology. Activities include reading and assessing the appropriate literature, designing studies and experiments, conducting data analyses, and producing APA style reports. Research ethics and graduate studies are also addressed. Taught in preparation of fourth year thesis.

Includes: Experiential Learning Activity

Prerequisite(s): PSYC 2001, PSYC 2002, PSYC 2400, third-year Honours standing in Psychology with a CGPA of 9.0 or higher in the major and permission of the Department.

Seminars and laboratories six hours a week.

**PSYC 3402 [0.5 credit]****Criminal Behaviour**

A review of theoretical and empirical research in the study of criminal behaviour. Examination of offender assessment and classification, prevalence and types of offenders, and effectiveness of offender treatment including understanding specific populations of offenders such as Indigenous offenders, women offenders and violent offenders.

Prerequisite(s): PSYC 2400.

Lectures three hours a week.

**PSYC 3403 [0.5 credit]****Addiction**

Neurobiological and social bases of drug and behavioural addictions. Contemporary theoretical approaches to addiction; approaches to current prevention and treatment. Prerequisite(s): one of PSYC 2301, PSYC 2307, PSYC 2400.

Lectures three hours a week.

**PSYC 3405 [0.5 credit]****Psychology of Motivation and Emotion**

This course will explore motivational and emotional factors involved in human behaviour emphasizing various perspectives, theories, and research pertaining to physiological, cognitive, and social needs. Topics may include what factors motivates people, how motivation changes over time, and how one person can motivate another individual.

Prerequisite(s): PSYC 1001 and PSYC 1002.

Lectures three hours a week.

**PSYC 3500 [1.0 credit]****Developmental Psychology (Honours Seminar)**

An introduction to theory and research in developmental psychology. Activities include reading and assessing the appropriate literature, designing studies and experiments, conducting data analyses, and producing APA style reports. Research ethics and graduate studies are also addressed. Taught in preparation of fourth year thesis.

Includes: Experiential Learning Activity

Prerequisite(s): PSYC 2001, PSYC 2002, PSYC 2500, third-year Honours standing in Psychology with a CGPA of 9.0 or higher in the major and permission of the Department.

Seminars and laboratories six hours a week.

**PSYC 3505 [0.5 credit]****Exceptional Children**

An overview of childhood exceptionalities including intellectual differences, communication disorders, sensory and physical impairments, developmental and behavioural problems.

Prerequisite(s): PSYC 2500.

Lectures three hours a week.

**PSYC 3506 [0.5 credit]****Cognitive Development**

Human cognitive development is examined with a focus on memory, thinking and language through the life span. Topics may include perceptual and language development, emergent literacy, development of strategies and development of reading and arithmetic skills.

Prerequisite(s): PSYC 2500 or PSYC 2700.

Lectures three hours a week.

**PSYC 3507 [0.5 credit]****Social Development**

Development of the individual with a focus on social cognition and social behaviour. Topics may include the role of temperament in development, parental roles, siblings and peers in social/emotional development, development of prosocial and aggressive behaviour, moral development and development of self and other understanding.

Prerequisite(s): PSYC 2500.

Lectures three hours a week.

**PSYC 3508 [0.5 credit]****Child Language**

Milestones associated with the development of grammatical, pragmatic and metalinguistic competence from birth to about age ten, and the relative contributions of the environment, cognitive development and inborn knowledge to this development.

Includes: Experiential Learning Activity

Also listed as LING 3603.

Precludes additional credit for LALS 2603 (no longer offered).

Prerequisite(s): LALS 1000 or LALS 1001 or LING 1001 or PSYC 2700 and second-year standing, or permission of the instructor.

Lectures three hours per week.

**PSYC 3509 [0.5 credit]****Adolescence and Emerging Adulthood**

The physical, cognitive, social and moral development of adolescents and emerging adults in multiple contexts including family, peers, media and culture. Major theories and contemporary issues and concerns.

Prerequisite(s): PSYC 2500.

Lectures three hours a week.

**PSYC 3600 [1.0 credit]****Personality (Honours Seminar)**

An introduction to theory and research in personality psychology. Activities include reading and assessing the appropriate literature, designing studies and experiments, conducting data analyses, and producing APA style reports. Research ethics and graduate studies are also addressed. Taught in preparation of fourth year thesis.

Includes: Experiential Learning Activity

Prerequisite(s): PSYC 2001, PSYC 2002, PSYC 2600, third-year Honours standing in Psychology with a CGPA of 9.0 or higher in the major and permission of the Department.

Seminars and laboratories six hours a week.

**PSYC 3603 [0.5 credit]****Psychology of Women**

An examination of theories and research regarding the similarities and differences in women's and men's psychological processes. Psychological issues relevant to women (e.g., women's health concerns, women's sexuality, violence toward women and children) will be examined as well as feminist and traditional research methods.

Prerequisite(s): one of PSYC 2100, PSYC 2500, PSYC 2600.

Lectures three hours a week.

**PSYC 3604 [0.5 credit]****Clinical Psychology and Mental Illness**

History of the concept of mental illness. Theory and selected research dealing with the nature and etiology of mental illness.

Prerequisite(s): PSYC 2500 or PSYC 2600.

Lectures three hours a week.

**PSYC 3700 [1.0 credit]****Cognition (Honours Seminar)**

An introduction to theory and research in cognitive psychology. Activities include reading and assessing the appropriate literature, designing studies and experiments, conducting data analyses, and producing APA style reports. Research ethics and graduate studies are also addressed. Taught in preparation of fourth year thesis.

Includes: Experiential Learning Activity

Prerequisite(s): PSYC 2001, PSYC 2002, PSYC 2700, third-year Honours standing in Psychology with a CGPA of 9.0 or higher in the major and permission of the Department.

Seminars and laboratories six hours a week.

**PSYC 3702 [0.5 credit]****Perception**

Introduction to theory, research methods and principles associated with the study of perceptual processes.

Examples of how perceptual principles can be applied to solve problems in communications, transportation, medicine, industrial design, manufacturing, marketing, food and beverage industries (flavoring, blending, and scenting, etc.).

Precludes additional credit for NEUR 3202.

Prerequisite(s): PSYC 1001 and PSYC 1002.

Lectures three hours a week.

**PSYC 3709 [0.5 credit]****Language Processing and the Brain**

Introduction to adult language processing and neurolinguistics. Psychological processes underlying speech production and perception, word recognition and sentence processing. Biological foundation and neuro-cognitive mechanisms of language. Experimental techniques and methodologies of current psycholinguistic studies.

Includes: Experiential Learning Activity

Also listed as LING 3601.

Precludes additional credit for LALS 2601 and LALS 3601 (no longer offered).

Prerequisite(s): LALS 1000 or LALS 1001 or LING 1001 or PSYC 2700 and second-year standing, or permission of the instructor.

Lectures three hours a week.

**PSYC 3710 [0.5 credit]****Introduction to Human Factors**

Theoretical foundation, philosophy and practical application of techniques for analyzing from a psychological perspective how people interact with designed environments. A major goal is to determine how these environments should be designed to suit human capabilities.

Precludes additional credit for PSYC 2800 (no longer offered).

Prerequisite(s): PSYC 2001 and PSYC 2002.

Lecture three hours a week.

**PSYC 3801 [0.5 credit]****Organizational Psychology II**

Advanced coverage of the current theory and practices in Organizational Psychology. Selected topics may include workplace socialization, job attitudes, deviant work behaviours, leadership, teams and group dynamics, work-related stress and health, and organizational change and development.

Prerequisite(s): PSYC 2801.

Lectures three hours per week.

**PSYC 3802 [0.5 credit]****Transition to Career**

Within the context of an active learning environment, examines traditional and current models in career psychology. Topics may include the concepts of change and transitions, self-assessments, vocational psychology, and workplace onboarding. Students will examine their personal and professional transition from university to the work world.

Includes: Experiential Learning Activity

Prerequisite(s): third or fourth year standing in Psychology.

Lectures three hours a week.

**PSYC 3805 [1.0 credit]****Organizational Psychology (Honours Seminar)**

An introduction to theory and research in organizational psychology. Activities include reading and assessing the appropriate literature, designing studies and experiments, conducting data analyses, and producing APA style reports. Research ethics and graduate studies are also addressed. Taught in preparation of fourth year thesis.

Prerequisite(s): PSYC 2001, PSYC 2002, PSYC 2801, third-year Honours standing in Psychology with a CGPA of 9.0 or higher in the major and permission of the Department.

Seminars and laboratories six hours a week.

**PSYC 3901 [0.5 credit]****Practicum in Community Psychology**

Experiential learning in psychology via field placement. Students pursue personal learning outcomes focused on the application of psychology within the community. Assignments promote ongoing reflection and the sharing of what has been learned with colleagues.

Includes: Experiential Learning Activity

Prerequisite(s): Third- or fourth-year standing in Psychology with a CGPA of 7.0 or higher in the major and permission of the Department.

**PSYC 3902 [0.5 credit]****Practicum in Community Psychology**

Experiential learning in psychology via field placement. Students pursue personal learning outcomes focused on the application of psychology within the community. Assignments promote ongoing reflection and the sharing of what has been learned with colleagues.

Includes: Experiential Learning Activity

Prerequisite(s): Third- or fourth-year standing in Psychology with a CGPA of 7.0 or higher in the major and permission of the Department.

**PSYC 3905 [1.0 credit]****Practicum in Community Psychology**

Experiential learning in psychology via field placement. Students pursue personal learning outcomes focused on the application of psychology within the community. Assignments promote ongoing reflection and the sharing of what has been learned with colleagues.

Includes: Experiential Learning Activity

Prerequisite(s): Third- or fourth-year standing in Psychology with a CGPA of 7.0 or higher in the major and permission of the Department.

**PSYC 3999 [0.0 credit]****Co-operative Work Term**

Co-operative Work Term.

Includes: Experiential Learning Activity

Work Term.

**PSYC 4001 [0.5 credit]****Special Topics in Psychology**

Each section of PSYC 4001 deals with a different topic. Topics change yearly. Students may register in more than one section of PSYC 4001 but can register in each section only once.

Prerequisite(s): each section will have its own.

Lectures or seminars three hours a week.

**PSYC 4003 [0.5 credit]****Origins of Modern Psychology**

An overview of the evolution of psychology, with an emphasis on psychology as a specialized area of knowledge and practice in the late-nineteenth and twentieth centuries. Topics covered may include the history of a particular period, content area, or cultural context.

Precludes additional credit for PSYC 2003.

Prerequisite(s): third or fourth-year standing in a Psychology Honours program.

Lectures or seminars three hours per week.

**PSYC 4100 [0.5 credit]****Advanced Topics in Social Psychology**

In-depth exploration of theoretical and empirical issues related to selected topics in Social psychology. The specific content for this course will vary from year to year.

Prerequisite(s): fourth-year standing and PSYC 2100.

Lectures or seminars three hours a week.

**PSYC 4301 [0.5 credit]****Advanced Topics in Health Psychology**

In-depth exploration of theoretical and empirical issues related to selected topics in health psychology. The specific content for this course will vary from year to year.

Prerequisite(s): fourth-year standing and PSYC 2301.

Lectures or seminars three hours a week.

**PSYC 4330 [1.0 credit]****Community Mental Health and Well-Being**

An examination of theory, research, and the practice of approaches to support peers and their well-being. Students will apply the concepts learned during the seminars in field placements.

Includes: Experiential Learning Activity

Prerequisite(s): fourth-year Honours standing in Psychology, Mental Health and Well-Being Stream.  
Seminar three hours per week.

**PSYC 4333 [0.5 credit]****Clinical Psychology: Assessment and Intervention**

An advanced seminar on clinical psychology and mental health. Students will learn about frequently used treatment modalities and common factors across treatments.

Research methodology and recent advances dealing with a variety of common mental disorders will also be reviewed and discussed.

Includes: Experiential Learning Activity

Prerequisite(s): PSYC 3604 and fourth-year Honours standing in Psychology.  
Lecture or seminar three hours per week.

**PSYC 4400 [0.5 credit]****Advanced Topics in Forensic Psychology**

In-depth exploration of theoretical and empirical issues related to selected topics in Forensic psychology. The specific content for this course will vary from year to year.

Prerequisite(s): fourth-year standing and PSYC 2400.  
Lectures or seminars three hours a week.

**PSYC 4402 [0.5 credit]****Police Psychology**

Critical examination of theory and empirical research in the area of police psychology. Topics covered may include police culture, police selection, police suicide, police personality, stress debriefing, fitness evaluations, police training, crisis negotiations, and investigative techniques.

Prerequisite(s): third- or fourth-year standing and PSYC 2400.

Lectures or seminars three hours per week.

**PSYC 4403 [0.5 credit]****Female Offenders**

Feminist and social learning approaches to the assessment and treatment of female offenders. Theories and research relevant to selected patterns of law breaking and selected female offender types.

Prerequisite(s): third- or fourth-year standing and PSYC 3402.

Lectures or seminars three hours a week.

**PSYC 4404 [0.5 credit]****Sex Offenders**

Theory and research concerning the etiology and maintenance of sexual offending; assessment, treatment, and management of sex offenders. Introduction to fundamental issues and controversies in the area.

Prerequisite(s): third- or fourth-year standing, PSYC 2400, and PSYC 3402.

Lectures or seminars three hours a week.

**PSYC 4500 [0.5 credit]****Advanced Topics in Developmental Psychology**

In-depth exploration of theoretical and empirical issues related to selected topics in developmental psychology. The specific content for this course will vary from year to year.

Prerequisite(s): fourth-year standing, and one of PSYC 3500, PSYC 3505, PSYC 3506, PSYC 3507.

Lectures or seminars three hours a week.

**PSYC 4600 [0.5 credit]****Advanced Topics in Personality Psychology**

In-depth exploration of theoretical and empirical issues related to selected topics in personality psychology. The specific content for this course will vary from year to year.

Prerequisite(s): fourth-year standing and PSYC 2600.

Lectures or seminars three hours a week.

**PSYC 4700 [0.5 credit]****Advanced Topics in Cognitive Psychology**

In-depth exploration of theoretical and empirical issues related to selected topics in cognitive psychology. The specific content for this course will vary from year to year.

Prerequisite(s): fourth-year standing, and PSYC 2700.

Lectures or seminars three hours a week.

**PSYC 4801 [0.5 credit]****Occupational Health Psychology**

The application of psychological knowledge to enhance employee physical and mental health, safety and well-being, and more broadly, to enrich organizational life. Students will be able to learn and analyze critically the relevant methodological, theoretical, and empirical Occupational Health Psychology literature.

Prerequisite(s): third or fourth-year standing and one of PSYC 2100, PSYC 2301, PSYC 2801.

Lectures or seminars three hours a week.

**PSYC 4802 [0.5 credit]****Advanced Topics in Organizational Psychology**

In-depth exploration of theoretical and empirical issues related to selected topics in organizational psychology. The specific content for this course will vary from year to year.

Prerequisite(s): fourth-year standing and PSYC 2801.

Lectures or seminars three hours a week.

**PSYC 4900 [0.5 credit]****Independent Study**

A reading or research course for selected students who wish to investigate a particular topic of interest. Normally, students may not include more than one credit of independent study in their total program.

Includes: Experiential Learning Activity

Prerequisite(s): third- or fourth-year standing in Psychology and permission of the Department.

Mentored work.

**PSYC 4902 [0.5 credit]****Independent Study**

A reading or research course for selected students who wish to investigate a particular topic of interest. Normally, students may not include more than one credit of independent study in their total program.

Includes: Experiential Learning Activity

Prerequisite(s): third- or fourth-year standing in Psychology and permission of the Department.

Mentored work.

**PSYC 4907 [1.0 credit]****Thesis for B.Sc. with Honours in Psychology**

Open to all candidates for the B.Sc. degree with Honours in Psychology. A thesis project is conducted under the direct supervision of a Faculty Adviser from the Department of Psychology.

Includes: Experiential Learning Activity

Precludes additional credit for PSYC 4906 (no longer offered).

Prerequisite(s): fourth-year Honours standing in Psychology with a major CGPA of 10.0; PSYC 3000; one of PSYC 3100, PSYC 3300, PSYC 3400, PSYC 3500, PSYC 3600, or PSYC 3700, or PSYC 3805; and permission of the Department.

Lectures as scheduled by the instructor; other hours as arranged with the Faculty Adviser.

**PSYC 4908 [1.0 credit]****Thesis for B.A. with Honours in Psychology**

A thesis supervised by a Faculty Adviser. Students review the appropriate literature, contribute to the design of a study or experiment, conduct data analyses, and produce an APA style written report. Students may also present a research poster at the Psychology Undergraduate Research Event.

Includes: Experiential Learning Activity

Precludes additional credit for PSYC 4905 (no longer offered).

Prerequisite(s): fourth-year Honours standing in Psychology with a major CGPA of 10.0, PSYC 3000; one of PSYC 3100, PSYC 3300, PSYC 3400, PSYC 3500, PSYC 3600, PSYC 3700, PSYC 3805; and permission of the Department.

Lectures during the fall term given by the course instructor and mentored work arranged by the Faculty Adviser.

**PSYC 4909 [1.0 credit]****Project for B.Sc. with Honours in Psychology**

Within an active learning environment, students develop oral presentations and written documents that may include annotated bibliographies, essays, and presentation slides. They must also present a research poster at the Psychology Undergraduate Research Event. Students select an area of psychological research of interest to them.

Includes: Experiential Learning Activity

Precludes additional credit for PSYC 4906 (no longer offered), PSYC 4907, and PSYC 4908.

Prerequisite(s): fourth-year standing in B.Sc. (Honours) in Psychology, and PSYC 3000.

Seminars three hours a week.

**PSYC 4910 [1.0 credit]****Project for B.A. with Honours in Psychology**

Within an active learning environment, students develop oral presentations and written documents that may include annotated bibliographies, essays, and presentation slides. They must also present a research poster at the Psychology Undergraduate Research Event. Students select an area of psychological research of interest to them.

Includes: Experiential Learning Activity

Precludes additional credit for PSYC 4905 (no longer offered), PSYC 4907 and PSYC 4908.

Prerequisite(s): fourth-year standing in B.A (Honours) in Psychology, and PSYC 3000.

Seminars three hours a week.