

# 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 Cognitive Psychology
- Minor in Developmental Psychology
- Minor in Forensic Psychology
- Minor in Health Psychology
- Minor in Social Psychology and Personality
- Minor in Organizational Psychology
- Minor in Psychology
- Certificate in Multidisciplinary Studies in Mental Health and Well-Being

## 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

#### 7. 2.0 credits from: 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)
<b>ii. 1.0 credit in:</b>	
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
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#### 8. 1.0 credit in PSYC at 3000-level or higher 1.0

#### 9. 1.0 credit in PSYC 1.0

#### B. Credits Not Included in the Major CGPA (11.0 credits):

#### 10. 2.0 credits from BIOL, CHEM, COMP, EARTH, ISCI, HLTH, MATH, NEUR, PHYS, STAT, or TSES 2.0

#### 12. 6.0 credits not in PSYC 6.0

#### 13. 3.0 credits in free electives 3.0

#### Total Credits 20.0

**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 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>		<b>1.0</b>
PSYC 3000 [1.0]	Design and Analysis in Psychological Research	
<b>7. 2.0 credits from:</b>		<b>2.0</b>
<b>a. Thesis pathway</b>		
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)	
ii. 1.0 credit in:		
PSYC 4908 [1.0]	Thesis for B.A. with Honours in Psychology	
<b>or</b>		
<b>b. Project pathway</b>		
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>B. Additional Requirements (13.0 credits):</b>		<b>13.0</b>
8. The requirements for Combined Honours in the other discipline must be satisfied.		
<b>9. 2.0 credits from BIOL, CHEM, COMP, EARTH, ISCI, HLTH, MATH, NEUR, STAT, PHYS or TSES</b>		
10. Sufficient free electives to make 20.0 credits total for the program		
<b>Total Credits</b>		<b>20.0</b>

#### Notes:

1. All students in B.A. Combined Honours Psychology must complete an Honours Project in either Psychology or the other discipline.
2. Students who choose to complete PSYC 4908 or PSYC 4910 to meet Item 7 must also complete Items 2 and 6.
3. 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.

<b>1. 0.5 credit in:</b>		<b>0.5</b>
PSYC 2700 [0.5]	Introduction to Cognitive Psychology	
<b>2. 3.0 credits from:</b>		<b>3.0</b>
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 Psychology	
PSYC 3902 [0.5]	Practicum in Psychology	
PSYC 3905 [1.0]	Practicum in Psychology	
PSYC 4001 [0.5]	Special Topics in Psychology	
PSYC 4003 [0.5]	Origins of Modern 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	
<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 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.

<b>1. 0.5 credit in:</b>	0.5
PSYC 2500 [0.5]	Foundations of Developmental Psychology
<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 Psychology
PSYC 3902 [0.5]	Practicum in Psychology
PSYC 3905 [1.0]	Practicum in Psychology
PSYC 4001 [0.5]	Special Topics in Psychology
PSYC 4003 [0.5]	Origins of Modern 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>	2.5
PSYC 3400 [1.0]	Forensic Psychology (Honours Seminar)
PSYC 3403 [0.5]	Addiction
PSYC 3404 [0.5]	Police Psychology
PSYC 3901 [0.5]	Practicum in Psychology
PSYC 3902 [0.5]	Practicum in Psychology
PSYC 3905 [1.0]	Practicum in Psychology
PSYC 4001 [0.5]	Special Topics in Psychology
PSYC 4003 [0.5]	Origins of Modern Psychology
PSYC 4400 [0.5]	Advanced Topics in Forensic Psychology
PSYC 4403 [0.5]	Gender and Crime
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 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>	3.0
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 Psychology	
PSYC 3902 [0.5]	Practicum in Psychology	
PSYC 3905 [1.0]	Practicum in Psychology	
PSYC 4001 [0.5]	Special Topics in Psychology	
PSYC 4003 [0.5]	Origins of Modern 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	
<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 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>		<b>0.5</b>
PSYC 2801 [0.5]	Organizational Psychology I	
<b>2. 3.0 credits from:</b>		<b>3.0</b>
PSYC 2100 [0.5]	Introduction to Social Psychology	
PSYC 3801 [0.5]	Organizational Psychology II	
PSYC 3802 [0.5]	Transition to Career	
PSYC 3901 [0.5]	Practicum in Psychology	
PSYC 3902 [0.5]	Practicum in Psychology	
PSYC 3905 [1.0]	Practicum in Psychology	
PSYC 4001 [0.5]	Special Topics in Psychology	
PSYC 4003 [0.5]	Origins of Modern 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	
<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 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>		<b>1.0</b>
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>		<b>2.5</b>
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 Psychology	
PSYC 3902 [0.5]	Practicum in Psychology	
PSYC 3905 [1.0]	Practicum in Psychology	

PSYC 4001 [0.5]	Special Topics in Psychology	
PSYC 4003 [0.5]	Origins of Modern Psychology	
PSYC 4100 [0.5]	Advanced Topics in Social Psychology	
PSYC 4600 [0.5]	Advanced Topics in Personality 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 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 Departmental 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>	<b>2.5</b>
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>	<b>1.0</b>
PSYC 1001 [0.5]	Introduction to Psychology I
PSYC 1002 [0.5]	Introduction to Psychology II

##### 2. 1.0 credit in:

PSYC 2001 [0.5]	Introduction to Research Methods in Psychology
PSYC 2002 [0.5]	Introduction to Statistics in Psychology

##### 3. 0.5 credit from:

PSYC 2307 [0.5]	Human Neuropsychology I
PSYC 2700 [0.5]	Introduction to Cognitive Psychology

##### 4. 0.5 credit from:

PSYC 2301 [0.5]	Introduction to Health Psychology
PSYC 2801 [0.5]	Organizational Psychology I

##### 5. 1.0 credit from:

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

##### 6. 1.0 credit in PSYC at 3000-level or above

##### 7. 1.0 credit in PSYC

##### B. Credits Not Included in the Major CGPA (9.0 credits):

<b>8. 6.0 credits not in PSYC</b>	<b>6.0</b>
<b>9. 3.0 credits in free electives</b>	<b>3.0</b>

##### Total Credits

**15.0**

#### 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>	<b>1.0</b>
PSYC 1001 [0.5]	Introduction to Psychology I
PSYC 1002 [0.5]	Introduction to Psychology II

##### 2. 1.0 credit in:

PSYC 2001 [0.5]	Introduction to Research Methods in Psychology
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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)	
<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>		
<b>i. 1.0 credit in PSYC at 3000-level or higher</b>		
<b>ii. 1.0 credit in:</b>		
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.**

<b>Requirements</b>		
<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
<b>Total Credits</b>	<b>5.0</b>

### Minor in Cognitive Psychology (4.0 credits)

Open to all undergraduate students in programs other than Psychology and Cognitive Science.

Students are required to present a Minor CGPA of 4.00 or higher at graduation in order to be awarded a Minor in Cognitive Psychology.

#### Requirements:

<b>1. 2.0 credits in:</b>	<b>2.0</b>
PSYC 1001 [0.5]	Introduction to Psychology I
PSYC 1002 [0.5]	Introduction to Psychology II
PSYC 2001 [0.5]	Introduction to Research Methods in Psychology
PSYC 2002 [0.5]	Introduction to Statistics in Psychology
<b>2. 1.5 credits in:</b>	<b>1.5</b>
PSYC 2307 [0.5]	Human Neuropsychology I
PSYC 2700 [0.5]	Introduction to Cognitive Psychology
PSYC 3702 [0.5]	Perception
<b>3. 0.5 credit from:</b>	<b>0.5</b>
PSYC 3307 [0.5]	Human Neuropsychology II
PSYC 3506 [0.5]	Cognitive Development
PSYC 3508 [0.5]	Child Language
PSYC 3709 [0.5]	Language Processing and the Brain
PSYC 3710 [0.5]	Introduction to Human Factors

4. The remaining requirements of the major discipline(s) and degree must be satisfied.

**Total Credits** **4.0**

### Minor in Developmental Psychology (4.0 credits)

Open to all undergraduate students in programs other than Psychology.

Students are required to present a Minor CGPA of 4.00 or higher at graduation in order to be awarded a Minor in Developmental Psychology.

#### Requirements:

<b>1. 2.0 credits in:</b>	<b>2.0</b>
PSYC 1001 [0.5]	Introduction to Psychology I
PSYC 1002 [0.5]	Introduction to Psychology II
PSYC 2001 [0.5]	Introduction to Research Methods in Psychology
PSYC 2002 [0.5]	Introduction to Statistics in Psychology
<b>2. 0.5 credit in:</b>	<b>0.5</b>
PSYC 2500 [0.5]	Foundations of Developmental Psychology
<b>3. 1.5 credits from:</b>	<b>1.5</b>
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

4. The remaining requirements of the major discipline(s) and degree must be satisfied.

**Total Credits** **4.0**

### Minor in Forensic Psychology (4.0 credits)

Open to all undergraduate students in programs other than Psychology and Criminology and Criminal Justice with Concentration in Psychology.

Students are required to present a Minor CGPA of 4.00 or higher at graduation in order to be awarded a Minor in Forensic Psychology.

#### Requirements:

<b>1. 2.0 credits in:</b>	<b>2.0</b>
PSYC 1001 [0.5]	Introduction to Psychology I
PSYC 1002 [0.5]	Introduction to Psychology II
PSYC 2001 [0.5]	Introduction to Research Methods in Psychology
PSYC 2002 [0.5]	Introduction to Statistics in Psychology
<b>2. 1.0 credits in:</b>	<b>1.0</b>
PSYC 2400 [0.5]	Introduction to Forensic Psychology
PSYC 3402 [0.5]	Criminal Behaviour
<b>3. 1.0 credits from:</b>	<b>1.0</b>
PSYC 3403 [0.5]	Addiction
PSYC 3404 [0.5]	Police Psychology
PSYC 3604 [0.5]	Clinical Psychology and Mental Illness

4. The remaining requirements of the major discipline(s) and degree must be satisfied.

**Total Credits** **4.0**

### Minor in Health Psychology (4.0 credits)

Open to all undergraduate students in programs other than Psychology.

Students are required to present a Minor CGPA of 4.00 or higher at graduation in order to be awarded a Minor in Health Psychology.

#### Requirements:

<b>1. 2.0 credits in:</b>	<b>2.0</b>
PSYC 1001 [0.5]	Introduction to Psychology I
PSYC 1002 [0.5]	Introduction to Psychology II
PSYC 2001 [0.5]	Introduction to Research Methods in Psychology
PSYC 2002 [0.5]	Introduction to Statistics in Psychology
<b>2. 1.5 credits in:</b>	<b>1.5</b>
PSYC 2301 [0.5]	Introduction to Health Psychology
PSYC 3302 [0.5]	Positive Psychology
PSYC 3604 [0.5]	Clinical Psychology and Mental Illness
<b>3. 0.5 credit from:</b>	<b>0.5</b>
PSYC 3301 [0.5]	Sport and Performance Psychology
PSYC 3403 [0.5]	Addiction
PSYC 3405 [0.5]	Psychology of Motivation and Emotion

4. The remaining requirements of the major discipline(s) and degree must be satisfied.

**Total Credits** **4.0**

### Minor in Social Psychology and Personality (4.0 credits)

Open to all undergraduate students in programs other than Psychology.

Students are required to present a Minor CGPA of 4.00 or higher at graduation in order to be awarded a Minor in Social Psychology and Personality.

#### Requirements:

**1. 2.0 credits in:** **2.0**

PSYC 1001 [0.5] Introduction to Psychology I  
PSYC 1002 [0.5] Introduction to Psychology II  
PSYC 2001 [0.5] Introduction to Research Methods in Psychology

PSYC 2002 [0.5] Introduction to Statistics in Psychology

**2. 1.0 credits in:** **1.0**

PSYC 2100 [0.5] Introduction to Social Psychology  
PSYC 2600 [0.5] Introduction to the Study of Personality

**3. 1.0 credits from:** **1.0**

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 3603 [0.5] Psychology of Women

4. The remaining requirements of the major discipline(s) and degree must be satisfied.

**Total Credits** **4.0**

### Minor in Organizational Psychology (4.0 credits)

Open to all undergraduate students in programs other than Psychology.

#### Requirements:

**1. 2.0 credits in:** **2.0**

PSYC 1001 [0.5] Introduction to Psychology I  
PSYC 1002 [0.5] Introduction to Psychology II  
PSYC 2001 [0.5] Introduction to Research Methods in Psychology

PSYC 2002 [0.5] Introduction to Statistics in Psychology

**2. 1.0 credits in:** **1.0**

PSYC 2801 [0.5] Organizational Psychology I  
PSYC 3801 [0.5] Organizational Psychology II

**3. 1.0 credits from:** **1.0**

PSYC 2100 [0.5] Introduction to Social Psychology

PSYC 2600 [0.5] Introduction to the Study of Personality

PSYC 3001 [0.5] Psychological Testing

4. The remaining requirements of the major discipline(s) and degree must be satisfied.

**Total Credits** **4.0**

### Minor in Psychology

Open to all undergraduate students in programs other than Psychology and Criminology and Criminal Justice with a concentration in Psychology.

Students are required to present a Minor CGPA of 4.00 or higher at graduation in order to be awarded a Minor in Psychology.

#### Requirements

**1. 1.0 credit in:** **1.0**

PSYC 1001 [0.5] Introduction to Psychology I

PSYC 1002 [0.5] Introduction to Psychology II

**2. 1.0 credit in:** **1.0**

PSYC 2001 [0.5] Introduction to Research Methods in Psychology

PSYC 2002 [0.5] Introduction to Statistics in Psychology

**3. 2.0 credits in PSYC at the 2000-level or above** **2.0**

4. The remaining requirements of the major discipline(s) and degree must be satisfied.

**Total Credits** **4.0**

### Certificate in Multidisciplinary Studies in Mental Health and Well-Being (5.0 credits)

May be taken following successful completion of any college diploma (with a minimum grade of B) or any undergraduate degree. May also be taken concurrently with any degree except for Psychology with the Stream in Mental Health and Well-Being. Students who hold a degree in Psychology may be required to take additional credits to fulfill the certificate residency requirement; see Section 2.2.2 Minimum Number of Residency Credits.

#### Requirements

**1. 1.0 credit in:** **1.0**

PSYC 1001 [0.5] Introduction to Psychology I

PSYC 1002 [0.5] Introduction to Psychology II

**2. 2.0 credits in:** **2.0**

PSYC 2301 [0.5] Introduction to Health Psychology

PSYC 3302 [0.5] Positive Psychology

PSYC 3403 [0.5] Addiction

PSYC 3604 [0.5] Clinical Psychology and Mental Illness

**3. 2.0 credits from two or more units:** **2.0**

#### Anthropology

ANTH 2020 [0.5] Race and Ethnicity

ANTH 2040 [0.5] Anthropology and Gender

ANTH 2070 [0.5] Psychological Anthropology

ANTH 2550 [0.5] Religion and Society

ANTH 3020 [0.5] Studies in Race and Ethnicity

ANTH 3040 [0.5] The Global Middle Class

ANTH 3310 [0.5] Studies in Medical Anthropology

ANTH 4005 [0.5] Health and Globalization

ANTH 4780 [0.5] Anthropology of Personhood

#### Business

BUSI 3104 [0.5] Managing Individual Performance

BUSI 4105 [0.5] Managing Change

#### Disability Studies

DBST 1001 [0.5] Introduction to Disability Studies

Economics	
ECON 3460 [0.5]	Introduction to Health Economics
Geography	
GEOG 3206 [0.5]	Health, Environment, and Society
Health Sciences	
HLTH 1001 [0.5]	Principles of Health I
HLTH 2003 [0.5]	Social Determinants of Health
HLTH 3403 [0.5]	Gender and Health
History	
HIST 3106 [0.5]	Social History of Sexuality
HIST 3120 [0.5]	History of the Body
Human Rights	
Industrial Design	
IDES 2600 [0.5]	Human Factors/Ergonomics in Design
Law	
LAWS 2105 [0.5]	Social Justice and Human Rights
Linguistics	
LING 2604 [0.5]	Communication Differences and Disabilities I
LING 3604 [0.5]	Communication Differences and Disabilities II
Music	
MUSI 3303 [0.5]	Introduction to Music Therapy
Neuroscience	
NEUR 1202 [0.5]	Neuroscience of Mental Health and Psychiatric Disease
NEUR 1203 [0.5]	Neuroscience of Mental Health and Neurological Disease
Philosophy	
PHIL 1200 [0.5]	The Meaning of Life
PHIL 1700 [0.5]	Philosophy of Love and Sex
PHIL 2307 [0.5]	Gender and Philosophy
PHIL 2380 [0.5]	Introduction to Environmental Ethics
PHIL 2408 [0.5]	Bioethics
PHIL 2540 [0.5]	Personal Identity and the Self
PHIL 2550 [0.5]	Moral Psychology
PHIL 2700 [0.5]	Asian Philosophy
Religion	
RELI 1731 [0.5]	Religion and Culture
RELI 2732 [0.5]	Death and Afterlife
Sociology	
SOCI 2020 [0.5]	Race and Ethnicity
SOCI 2030 [0.5]	Work, Industry and Occupations
SOCI 2040 [0.5]	Food, Culture and Society
SOCI 2043 [0.5]	Sociology of the Family
SOCI 2045 [0.5]	Gender and Society
SOCI 2050 [0.5]	Sociology of Health
SOCI 3010 [0.5]	Power, Oppression and Resistance
SOCI 3020 [0.5]	Studies in Race and Ethnicity
SOCI 3040 [0.5]	Studies in the Sociology of Gender
SOCI 3044 [0.5]	Sociology of Sex and Sexuality
SOCI 3050 [0.5]	Studies in the Sociology of Health
SOCI 3055 [0.5]	Studies in Addictions
SOCI 3056 [0.5]	Women and Health
SOCI 4043 [0.5]	Families in the 21st Century
Social Work	

SOWK 1001 [0.5]	Introduction to Social Welfare
SOWK 1002 [0.5]	Introduction to Social Work
Technology, Society, Environmental Studies	
TSES 3001 [0.5]	Technology-Society Interactions
TSES 4001 [0.5]	Technology and Society: Risk

4. 12 hours of non-credit training from an approved list of activities. Refer to the Department of Psychology for more information.

<b>Total Credits</b>	<b>5.0</b>
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## 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 Continuation 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.

### Breadth Requirement

Among the credits presented at graduation, students in both the B.A. and the B.A. Honours degrees and B.Co.M.S. are required to include 3.0 breadth credits, which must include 1.0 credit in three of the four breadth areas identified below. Credits that fulfil requirements in the Major, Minor, Concentration, Specialization, or Stream may also 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, Digital Humanities, English, Film Studies, French, Journalism, Media Production and Design, Music, 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, COMS, DIGH, ENGL, ESLA, FILM, FINS, FREN, GERM, GREK, HEBR, ITAL, JAPA, JOUR, KORE, LANG, LATN, MPAD, MUSI, PORT, RUSS, SPAN

### Breadth Area 2: Humanities

African Studies, Applied Linguistics and Discourse Studies, Archaeology, Canadian Studies, Child Studies,

Classical Civilization, Critical Race Studies, Directed Interdisciplinary Studies, Disability Studies, Environmental and Climate Humanities, European and Russian Studies, History, Human Rights and Social Justice, 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, CRST, DBST, DIST, EACH, EURR, HIST, HRSJ, 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, Interdisciplinary Science and Practice, Mathematics, Neuroscience, Network Technology, Optical Systems and Sensors, Photonics, Statistics, Physics, and Technology, Society, Environment.

**Subject codes:** ACSE, AERO, ARCC, ARCH, ARCN, ARCS, ARCU, BIOC, BIOL, BIT, CHEM, CIVE, COMP, ECOR, ELEC, ENSC, ENVE, EARTH, FOOD, HLTH, IDES, IMD, IRM, ISAP, 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. Undeclared students must apply to enter a program upon or before completing 3.5 credits.

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

To transfer to a program within the B.A. degree, applicants must normally be *Eligible to Continue* (EC) in the new program, by meeting the CGPA thresholds described in Section 3.1.9 of the *Academic Regulations of the University*.

Applications to declare or change programs within the B.A. degree online 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 enrollment limitations, as well as 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 normally requires that the student be *Eligible to Continue* (EC) and is subject to any specific requirements of the intended Minor, Concentration, or Specialization as published in the relevant Calendar entry and in Section 3.1.9 of the *Academic Regulations of the University*.

### **Mention : français**

Students registered in certain B.A. programs may earn the diploma notation *Mention : français* by completing part of their program requirements in French, and by demonstrating 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 in the Honours discipline taken in French; and
4. 1.0 credit at the 4000-level in the Honours discipline taken in French.

Students in a B.A. 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 (Items 3 and 4, 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 Continuation

Evaluation (see the *Academic Regulations of the University* section of this Calendar).

### Breadth Requirement for the B.Sc.

Students in a Bachelor of Science program 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 (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 (may include NSCI 1000) if the student received fewer than 10.0 transfer credits; or,
2. 1.0 credit in courses outside of the faculties of Science and Engineering and Design (may include NSCI 1000) if the student received 10.0 or more transfer credits.

### 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. Undeclared students must apply to enter a program upon or before completing 3.5 credits.

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

To transfer to a program within the B.Sc. degree, applicants must normally be *Eligible to Continue* (EC) in the new program, by meeting the CGPA thresholds described in Section 3.1.9 of the *Academic Regulations of the University*.

Applications to declare or change programs 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 limitations, 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 normally requires that the student be *Eligible to Continue* (EC) and is meeting the minimum CGPAs described in Section 3.1.9 of the *Academic Regulations of the University*, as well as being subject

to any specific requirements of the intended Minor, Concentration, or Specialization as published in the relevant Calendar entry.

### Experimental Science Requirement

Students in a B.Sc. degree program 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
<b>Physics</b>	
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) Biochemistry students may use BIOL 2005 only as a free elective.

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)

ISAP (Interdisciplinary Science Practice)

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 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)

ISAP (Interdisciplinary Science Practice)

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 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

BIOL 4810 [0.5]	Education Research in Undergraduate Science
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]	Mathematics for 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 applies to a degree program with a Co-op option from high school, their university grades will be reviewed two terms to one year prior to their first work term to ensure they meet the academic requirements after their first or second year of study. The time at which the evaluation takes place depends on the program of study. Students will automatically receive an admission decision via their Carleton email account.

Students who did not request Co-op at the time they applied to Carleton can request Co-op after they begin their university studies. To view application instructions and deadlines, please visit [carleton.ca/co-op](http://carleton.ca/co-op).

To be admitted to Co-op, a student must successfully complete 5.0 or more credits that count towards their degree, meet the minimum CGPA requirement(s) for the student's Co-op option, and fulfil any specified course prerequisites. To see the unique admission and continuation requirements for each Co-op option, please refer to the specific degree programs listed in the Undergraduate Calendar.

### 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. 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;
- Be eligible to work in Canada (for off-campus work)
- Have successfully completed COOP 1000 [0.0]

In addition to the following:

1. Registered as a full-time student in the B.A. Honours Psychology program;
2. Obtained third-year standing;
3. Successfully completed, by the start-date of the first work term, PSYC 2001 and PSYC 2002;
4. Obtained an Overall CGPA of at least 9.50 and a Major CGPA of at least 9.50. These CGPAs must be maintained throughout the duration of the degree.

B.A. Honours Psychology students 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	Term	Pattern	Term	Pattern	Term	Pattern	Term	Pattern
Fall	S	Fall	S	Fall	S	Fall	W	Fall	S
Winter	S	Winter	S	Winter	S	Winter	W	Winter	S
Summer		Summer		Summer	W	Summer	W		

### Legend

**S:** Study

**W:** Work

## Admissions Information

Admission Requirements are for the 2023-24 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](https://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.

## Admissions Information

Admission requirements are based on the Ontario High School System. Prospective students can view the admission requirements through the Admissions website at [admissions.carleton.ca](https://admissions.carleton.ca). The overall average required for admission is determined each year on a program-by-program basis. Holding the minimum admission requirements only establishes eligibility for consideration; higher averages are required for admission to programs for which the demand for places by qualified applicants exceeds the number of places available. All programs have limited enrolment and admission is not guaranteed. Some programs may also require specific course prerequisites and prerequisite

averages and/or supplementary admission portfolios. Consult [admissions.carleton.ca](https://admissions.carleton.ca) for further details.

**Note:** If a course is listed as *recommended*, it is 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.)

### First Year

#### For B.A. 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*). Applicants submitting an English language test to satisfy the requirements of the English Language Proficiency section of this Calendar may use that test to also satisfy the 4U English prerequisite requirement.

### Biology

For the major in Biology in the B.A. program, in addition to the 4U English, a 4U course in Chemistry is required. Advanced Functions, and Calculus and Vectors are recommended.

### Advanced Standing

Applications for admission beyond first year will be assessed on their merits. Applicants must normally be Eligible to Continue in their year level, in addition to meeting the CGPA thresholds described in Section 3.1.9 of the Academic Regulations of the University. Advanced standing will be granted only for those subjects assessed as being appropriate for the program and the stream selected.

### Co-op Option

#### Direct Admission to the 1st Year of the Co-op Option

Co-op is available for the following Majors in the B.A. (Honours) degree: Anthropology, English, Environmental Studies, European and Russian Studies, French, Geography, Geomatics, History, Law, Political Science, Psychology, Sociology.

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.

## Advanced Standing

### B.A. and B.A. (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

Co-op is available for the following Majors in the B.A. (Honours) degree: Anthropology, English, Environmental Studies, European, Russian, and Eurasian Studies, French, Geography, Geography with a Concentration in Physical Geography, Geomatics, History, Law, Political Science, Psychology, Sociology.

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 2023-24 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](https://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.

## Admissions Information

Admission requirements are based on the Ontario High School System. Prospective students can view the admission requirements through the Admissions website at [admissions.carleton.ca](https://admissions.carleton.ca). The overall average required for admission is determined each year on a program-by-program basis. Holding the minimum admission requirements only establishes eligibility for consideration; higher averages are required for admission to programs for which the demand for places by qualified applicants exceeds the number of places available. All programs have limited enrolment and admission is not guaranteed. Some programs may also require specific course prerequisites and prerequisite averages and/or supplementary admission portfolios. Consult [admissions.carleton.ca](https://admissions.carleton.ca) for further details.

**Note:** If a course is listed as *recommended*, it is 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. (Major)
- B.Sc.

## Admission Requirements

### B. Sc. Honours

#### 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 and Biology, 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 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

Applications for admission beyond first year will be assessed on their merits. Applicants must normally be *Eligible to Continue* in their year level, in addition to meeting the CGPA thresholds described in Section 3.1.9 of the Academic Regulations of the University. Advanced standing will be granted only for those subjects deemed appropriate for the program and stream selected.

### B.Sc. Major and B.Sc.

#### 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.

### Advanced Standing

Applications for admission beyond first year will be assessed on their merits. Applicants must normally be *Eligible to Continue* (EC) in their year level. Advanced standing will be granted only for those subjects deemed appropriate for the program and stream selected.

### 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.

### Admission Requirements

To be eligible for admission to the Certificate in Multidisciplinary Studies in Mental Health and Well-Being, applicants must:

- have successfully completed any undergraduate degree; or
- have successfully completed any college diploma with a minimum grade of B; or
- be currently enrolled and *Eligible to Continue*, and meeting the CGPA thresholds defined in Section 3.1.9

of the *Academic Regulations of the University*, in any degree offered at Carleton.

Note: Students who are currently enrolled in, or have graduated from, a degree in Psychology with the Stream in Mental Health and Well-Being are not eligible for this program. Students who hold a degree in Psychology may be required to take additional credits to fulfill the certificate residency requirement; see Section 2.2.2 of the *Academic Regulations of the University*, Minimum Number of Residency Credits.

### 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 3404 [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. Precludes additional credit for PSYC 4402 (no longer offered).

Prerequisite(s): PSYC 2400.

Lectures three hours per 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): LING 1001 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 2301, 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 3901 [0.5 credit]****Practicum in 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 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 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 4235 [0.5 credit]****Psychology of Climate Change**

An examination of the role that psychological research plays in understanding people's feelings, thoughts, and behaviour in relation to climate change and its associated problems. Strategies and interventions that help people cope with climate change and promote eco-friendly behaviour will also be discussed.  
Prerequisite(s): third or fourth-year standing and one PSYC at the 2000-level.  
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): fourth-year Honours standing in Psychology and PSYC 3604.

Lecture or seminar three hours per week.

**PSYC 4335 [0.5 credit]****Mental Health and Climate Change**

Climate change is a major global health threat that is related to mental health through changes to people's environment, physical security, and socioeconomic structures. Research focusing on the relationship between climate change and individuals' well-being will be discussed.

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

Lectures or seminars three hours a 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 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 4410 [0.5 credit]****Children and the Law**

This course will explore psychological factors affecting child witnesses and victims as they interact within the criminal justice system. The course will survey the intersection of psychology and law within the areas of eyewitness memory, police procedures, and the criminal justice system.

Prerequisite(s): fourth-year standing, and PSYC 2400 or PSYC 2500.

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**

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 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, PSYC 3700 or 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 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.