

PSYCHOLOGY - BACHELOR OF SCIENCE

Overview

As scientists, psychologists conduct research in a wide range of areas, including child development, learning, perception, personality, and social interaction. As practitioners, psychologists apply knowledge acquired through research to alleviate distress and improve the lives of others. Whether through a Bachelor of Arts or Bachelor of Science degree, majoring in Psychology prepares students to understand and appreciate the many factors that influence behaviour. Under the guidance of professors with expertise ranging from forensic and clinical psychology to neuroscience and health, students gain hands-on experience in the scientific analysis of behaviour. Opportunities are available to take on independent research projects, enroll in field placements, or register in the honours program. MacEwan's Psychology majors graduate with the knowledge and critical thinking skills that almost all employers are seeking, with students interested in further studies being well-positioned to apply to graduate programs. Psychology is also a popular major for students wishing to enter professional programs, such as law, medicine, social work, or occupational therapy.

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Bachelor of Science

Faculty of Arts and Science
MacEwan.ca/Science (<http://MacEwan.ca/Science/>)

The Bachelor of Science (BSc) is a foundational general degree that provides broad and widely applicable knowledge and abilities rather than a niche specialization. This broad base equips graduates with generalist knowledge and skills that give the flexibility and agility so highly valued in a dynamic world economy. It also offers students a solid foundation to specialize in future employment or further schooling.

The degree provides a breadth of study across various Arts and Science disciplines and sets the foundation for later years. The major and minor areas of study allow students to focus and gain in-depth expertise in complementary or entirely disparate disciplines; there is a wide array of possible combinations. Finally, options enable students to explore courses outside their disciplines or even within their program, enhancing their diversity of learning. The small classes, close interaction between instructors and students, opportunities for individual study, and faculty with a strong focus on teaching are signature strengths of this program.

General Program Information

The BSc requires students to complete 120 credits of non-duplicative coursework. The BSc emphasizes breadth and depth and has been designed for exceptional flexibility and customization. Students can

complete a major and a minor, a double major, or a major and two minors. Students can choose a secondary major in an Arts or Science discipline, but the primary major must be in a Science discipline.

All newly admitted students enter the BSc program as "Undeclared."

Undeclared means a student has not yet chosen their major(s) and minor(s). Students may declare at any time after being accepted to the BSc, and typically, they declare after completing a minimum of 45 credits. The Arts and Science Academic Advising Office will send information about majors and minors via email and newsletters; please contact the Advising Office if you require further assistance with this decision.

Science Disciplines

| Discipline | Major | Minor | Honours |
|------------------------------|-------|-------|---------|
| Applied Statistics | ● | - | ● |
| Biological Sciences | ● | ● | ● |
| Chemistry | ● | ● | - |
| Computer Science | ● | ● | - |
| Earth and Planetary Sciences | - | ● | - |
| Environmental Sciences | - | ● | - |
| Mathematics | ● | ● | ● |
| Mathematical Sciences | ● | - | - |
| Planetary Physics | - | ● | - |
| Physical Sciences | ● | - | - |
| Physics | - | ● | - |
| Psychology | ● | ● | ● |
| Statistics | - | ● | - |

Arts Disciplines

| Discipline | Major | Minor |
|---------------------------------|-------|-------|
| Anthropology | ● | ● |
| Classics | | ● |
| Creative Writing | | ● |
| Economics | ● | ● |
| English | ● | ● |
| Film Minor for Arts and Science | | ● |
| French | | ● |
| Gender Studies | | ● |
| History | ● | ● |
| Philosophy | ● | ● |
| Political Science | ● | ● |
| Sociology | ● | ● |
| Spanish | | ● |

Out of Faculty Minors

| Discipline | Minor |
|--|-------|
| Accounting Minor for Arts and Science | ● |
| Arts and Cultural Management | ● |
| Business Law | ● |
| Business Studies | ● |
| Digital Experience Design | ● |
| Finance Minor for Arts and Science | ● |
| Human Resources Minor for Arts and Science | ● |
| Marketing Minor for Arts and Science | ● |

Laddering a Diploma into the Bachelor of Science

Students with an accredited diploma can ladder into the Bachelor of Science (BSc) and use some of their diploma coursework towards their degree requirements. If you have questions about the diploma

laddering process, please visit www.macewan.ca/bscstudent or contact artsandscience@macewan.ca.

Preparing for Professional Studies

Students intending to enter professional programs at other universities can take their pre-professional programs in the Faculty of Arts and Science at MacEwan University. The university offers the first and second years of several pre-professional programs, including chiropractic medicine, dental hygiene, dentistry, medical laboratory science, medicine, optometry, pharmacy, and veterinary medicine. All courses in these pre-professional programs are credit courses, and, as such, they may apply to the degrees offered by MacEwan University.

Students are advised to consult the admissions requirements for the universities and programs of their choice and to select their MacEwan University courses accordingly. Completing pre-professional courses at MacEwan University does not guarantee admission to the subsequent professional program. Each professional program requires a separate application, and entry is competitive, not automatic.

Degree Requirements

Breadth Requirements

All Bachelor of Science degrees require Breadth Requirements. Courses can satisfy both the breadth requirements and requirements for the major(s), minor(s), Honours, or options. BIOL, CHEM, EASC, or PHYS courses must include a laboratory component.

| Breadth Element | Description | Credits |
|--|--|---------|
| Biological or Earth and Planetary Sciences | BIOL or EASC (not including BIOL 101, BIOL 102, or BIOL 103) | 6 |
| Chemistry or Physics | CHEM or PHYS | 6 |
| English | ENGL 102 and 3 credits in university English (not including ENGL 111, ENGL 108, or ENGL 211) | 6 |
| Humanities | CLAS, COMP, HIST, HUMN, PHIL or a language other than English | 6 |
| Mathematical Sciences | One of MATH 114, MATH 120, or MATH 125, and 3 credits in MATH, STAT, or CMPT (not including MATH 160, MATH 170, or CMPT 104) | 6 |
| Social Sciences | ANTH, ECON, GEND, LING, POLS, PSYC, or SOCI | 6 |

Bachelor of Science Degree

| Program Element | Description | Credits |
|--|--|----------|
| Primary Major | The Science major will range from 42 to 60 credits with a minimum 36 credits taken at the senior-level. ¹ | 42-60 |
| Secondary Major or Minor(s) | Students have the option of completing a second Science or Arts major, or one or two minors. Minor courses must be completed at the senior-level. ¹ | 18-60 |
| Options | Students can complete up to 18 credits in out-of-faculty options, with no more than 3 credits in physical activity (PACT) courses | Up to 60 |
| Total Degree Credits Including Breadth | | 120 |

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Multi-disciplinary majors consist of 60-72 junior- and senior-level credits. Students majoring in mathematical or physical sciences may pursue a minor but are not required to do so.

Bachelor of Science Honours

| Program Element | Description | Credits |
|--|--|---------|
| Minimum Honours Requirements | Honours requirements are determined by each discipline. | 63 |
| Option Courses, Non-Compulsory Honours Courses, and/or a Minor | Students have the option of completing a minor from outside of the Honours discipline. Some disciplines may require a minor. | 57 |
| Total Degree Credits Including Breadth | | 120 |

The minimum passing grade for a course at MacEwan University is a D unless otherwise noted next to the appropriate course in the program of study. In the Faculty of Arts and Science, students typically require a minimum grade of C- to use a course as a prerequisite. Please check course descriptions for more information.

Cross-Faculty Course Recognitions

Cross-Faculty course recognition represents an agreement between programs within MacEwan University and consists of a number of approved courses that have the potential to be recognized within another degree. These courses are not considered transfers or equivalents as the original course will show within a student's transcript and their Academic Planning and Progress Report (APPR). How the courses listed below might be used within a student's degree are determined by the student's program of study. They are dependent on a number of factors including year of declaration, year of completion, and individual program requirements.

| Out-of-Faculty Course | Course Recognition | Course Used For |
|--|----------------------|--|
| ACUP 117 | ARTOP 1XX | Options; fulfills Humanities Breadth |
| ACUP 209 | SCIOP 2XX | Options |
| ACUP 220, ACUP 303, and ACUP 304 (must complete all three courses) | COSL 200 (6 credits) | Options |
| ACUP 320 | SCIOP 3XX | Options |
| AGAD 300 | COSL 300 | Options |
| AGAD 435 | WINL 300 | Options |
| ARTE 104 | ARTOP 1XX | Options; fulfills Humanities Breadth |
| ARTE 214 | ARTOP 2XX | Options; fulfills Humanities Breadth |
| ARTE 224 | ARTOP 2XX | Options; fulfills Humanities Breadth |
| ARTE 234 | ARTOP 2XX | Options; fulfills Humanities Breadth |
| ARTE 304 | ARTOP 3XX | Options; fulfills Humanities Breadth |
| ARTE 314 | ARTOP 3XX | Options; fulfills Humanities Breadth |
| ARTE 324 | ARTOP 3XX | Options; fulfills Humanities Breadth |
| CORR 102 | SOCI 1XX | Options or Sociology program requirements; fulfills Social Science Breadth |
| CORR 104 | SOCI 1XX | Options or Sociology program requirements; fulfills Social Science Breadth |

| | | |
|-----------------------|-----------|---|
| CORR 110 | SOCI 225 | Options or Sociology program requirements; fulfills Social Science Breadth |
| CORR 120 | SOCI 2XX | Options or Sociology program requirements; fulfills Social Science Breadth |
| CORR 202 | ARTOP 2XX | Options |
| CORR 208 | ARTOP 2XX | Options |
| CORR 214 | COSL 200 | Options |
| CORR 218 | SOCI 321 | Options or Sociology program requirements; fulfills Social Science Breadth |
| CORR 224 | COSL 200 | Options |
| CYCW 100 | PSYC 2XX | Options or Psychology program requirements; fulfills Social Science Breadth |
| CYCW 108 and CYCW 112 | SOCI 1XX | Options or Sociology program requirements; fulfills Social Science Breadth |
| CYCW 115 | SOCI 2XX | Options or Sociology program requirements; fulfills Social Science Breadth |
| CYCW 114 | ARTOP 1XX | Options |
| CYCW 201 | PSYC 2XX | Options or Psychology program requirements; fulfills Social Science Breadth |
| CYCW 204 | COSL 200 | Options |
| CYCW 205 | SOCI 2XX | Options or Sociology program requirements; fulfills Social Science Breadth |
| CYCW 206 | ARTOP 2XX | Options |
| CYCW 208 | SOCI 2XX | Options or Sociology program requirements; fulfills Social Science Breadth |

| | | | | | |
|----------|-----------|---|----------|-----------|---|
| CYCW 211 | SOCI 2XX | Options or Sociology program requirements; fulfills Social Science Breadth | ECCS 355 | SOCI 3XX | Options or Sociology program requirements; fulfills Social Science Breadth |
| CYCW 302 | ARTOP 3XX | Options; fulfills Social Science Breadth | ECCS 360 | SOCI 3XX | Options or Sociology program requirements; fulfills Social Science Breadth |
| CYCW 303 | ARTOP 3XX | Options; fulfills Social Science Breadth | ECCS 425 | SOCI 4XX | Options or Sociology program requirements; fulfills Social Science Breadth |
| CYCW 339 | ARTOP 3XX | Options; fulfills Social Science Breadth | ECDV 160 | ARTOP 1XX | Options |
| CYCW 340 | SOCI 2XX | Options or Sociology program requirements; fulfills Social Science Breadth | ECDV 220 | COSL 200 | Options |
| CYCW 350 | SOCI 2XX | Options or Sociology program requirements; fulfills Social Science Breadth | ECDV 255 | ARTOP 2XX | Options |
| CYCW 360 | SOCI 3XX | Options or Sociology program requirements; fulfills Social Science Breadth | ECDV 260 | SOCI 2XX | Options or Sociology program requirements; fulfills Social Science Breadth |
| CYCW 361 | SOCI 2XX | Options or Sociology program requirements; fulfills Social Science Breadth | ECDV 270 | COSL 270 | Options |
| CYCW 466 | ARTOP 4XX | Options | ECDV 280 | PSYC 2XX | Options or Psychology program requirements; fulfills Social Science Breadth |
| DESN 270 | ARTOP 2XX | Options; fulfills Humanities Breadth | FNCE 301 | ECON 3XX | Options or Economics program requirements; fulfills Social Science Breadth |
| DESN 271 | ARTOP 2XX | Options; fulfills Humanities Breadth | HAPR 101 | SCIOP 1XX | Options |
| ECCS 110 | PSYC 1XX | Options or Psychology program requirements; fulfills Social Science Breadth | HAPR 104 | ARTOP 1XX | Options |
| ECCS 115 | ARTOP 1XX | Options | HAPR 114 | WINL 200 | Options |
| ECCS 160 | PSYC 2XX | Options or Psychology program requirements; fulfills Social Science Breadth | HAPR 201 | ARTOP 2XX | Options |
| ECCS 180 | SOCI 2XX | Options or Sociology program requirements; fulfills Social Science breadth | HAPR 212 | WINL 200 | Options |
| ECCS 220 | COSL 200 | Options | HEED 110 | ARTOP 1XX | Options |
| ECCS 255 | ARTOP 2XX | Options | HEED 120 | SCIOP 1XX | Options |
| ECCS 260 | SOCI 2XX | Options or Psychology program requirements; fulfills Social Science Breadth | HLSC 104 | SCIOP 1XX | Options |
| ECCS 270 | COSL 200 | Options | HLSC 105 | SCIOP 1XX | Options |
| ECCS 310 | SOCI 3XX | Options or Sociology program requirements; fulfills Social Science Breadth | HLSC 120 | BIOL 1XX | Options or Biological Sciences program requirements |
| | | | HLSC 124 | BIOL 1XX | Options or Biological Sciences program requirements |
| | | | HLSC 126 | BIOL 1XX | Options or Biological Sciences program requirements |
| | | | HLSC 128 | BIOL 2XX | Options or Biological Sciences program requirements |
| | | | HLST 150 | SCIOP 1XX | Options |
| | | | HLST 210 | ARTOP 2XX | Options |
| | | | HLST 290 | SCIOP 1XX | Options |
| | | | INFM 101 | ARTOP 1XX | Options |
| | | | INFM 202 | ARTOP 2XX | Options |
| | | | INFM 208 | ARTOP 2XX | Options |
| | | | INFM 209 | ARTOP 2XX | Options |

| | | | | | |
|--|-----------|--|-----------------------|-----------|--|
| INFM 210 | ARTOP 2XX | Options | PSSC 203 | ARTOP 2XX | Options |
| INFM 260 | COSL 200 | Options | PSSC 204 | ARTOP 2XX | Options |
| INTA 210 | ARTOP 2XX | Options; fulfills Humanities Breadth | PSSC 212 | ARTOP 2XX | Options |
| INTA 362 | ARTOP 3XX | Options | PSSC 252 | ARTOP 2XX | Options |
| MTST 120 | BIOL 1XX | Options or Biological Sciences program requirements | PSSC 253 | ARTOP 2XX | Options |
| MTST 122 | BIOL 1XX | Options or Biological Sciences program requirements | PSSC 272 | COSL 200 | Options |
| MTST 125 | BIOL 1XX | Options or Biological Sciences program requirements | PSSC 273 | COSL 200 | Options |
| MTST 126 | BIOL 1XX | Options or Biological Sciences program requirements | SOWK 101 | ARTOP 1XX | Options; fulfills Humanities Breadth |
| MTST 161, MTST 162, MTST 260, MTST 261, MTST 262 | COSL 200 | Options | SOWK 111 | ARTOP 1XX | Options |
| MUSC 104 | ARTOP 1XX | Options | SOWK 112 | ARTOP 1XX | Options |
| MUSC 123 | ARTOP 1XX | Options; fulfills Social Science Breadth | SOWK 203 | ARTOP 2XX | Options |
| MUSC 124 | ARTOP 1XX | Options; fulfills Social Science Breadth | SOWK 204 | SOCI 2XX | Options or Sociology program requirements; fulfills Social Science Breadth |
| PEDS 100 | BIOL 1XX | Options or Biological Sciences program requirements | TAST 101 | ARTOP 1XX | Options |
| PEDS 101 | BIOL 1XX | Options or Biological Sciences program requirements | TAST 129 and TAST 130 | COSL 200 | Options |
| PEDS 103 | BIOL 2XX | Options or Biological Sciences program requirements | THAR 240 | ARTOP 2XX | Options |
| PEDS 109 | SCIOP 1XX | Options | THAS 101 | ARTOP 1XX | Options |
| PEDS 200 | BIOL 2XX | Options or Biological Sciences program requirements | THAS 102 | SCIOP 1XX | Options |
| PEDS 203 | SCIOP 2XX | Options | THAS 115 | ARTOP 1XX | Options |
| PEDS 206 | BIOL 2XX | Options or Biological Sciences program requirements | THAS 203 | COSL 200 | Options |
| PEDS 207 | BIOL 2XX | Options or Biological Sciences program requirements | THAS 210 | COSL 200 | Options |
| PEDS 209 | ARTOP 2XX | Options | THAS 211 | COSL 200 | Options |
| PEDS 240 | SCIOP 1XX | Options | THAS 214 | COSL 200 | Options |
| PERL 104 | ARTOP 1XX | Options | THAS 222 | ARTOP 2XX | Options |
| PERL 204 | ARTOP 2XX | Options | THPR 205 | ARTOP 2XX | Options; fulfills Humanities Breadth |
| PERL 207 | ARTOP 2XX | Options | THPR 206 | ARTOP 2XX | Options; fulfills Humanities Breadth |
| PSSC 102 | ARTOP 1XX | Options | THPR 214 | COSL 200 | Options |
| PSSC 112 | ARTOP 1XX | Options | THPR 224 | COSL 200 | Options |
| PSSC 121 | SOCI 1XX | Options or Sociology program requirements; fulfills Social Science Breadth | | | |

Psychology Requirements - Bachelor of Science

Psychology Science Major

Psychology Science Honours

Psychology Minor

Psychology Science Major

The Bachelor of Science (BSc) in Psychology program requires students to complete 120 credits of non-duplicative coursework. In addition to the Psychology Major, students will complete one of the following:

- one minor,
- two minors, or
- a secondary Science major

Students are required to complete option courses as well as fulfill the major(s) and minor(s). All BSc degrees require Breadth Requirements. Courses can satisfy both the breadth requirements and requirements for the major(s), minor(s), or options.

The Psychology Major is 42 to 60 non-duplicative psychology credits with a minimum of 36 senior-level credits. Students must complete a minimum of nine credits at the 300-level and a minimum of six credits at the 400-level, not including PSYC 439. Students in the Psychology Science major are required to complete BIOL 107, BIOL 108, and one of STAT 151 or STAT 161. STAT 161 is strongly recommended.

Note: Psychology is a competitive major. Psychology applicants are required to have completed PSYC 104, PSYC 105, STAT 151 or STAT 161 (recommended), and one 200-level PSYC class with no grade lower than C- in any of them. Students in good academic standing will be considered, but preference will be given to those students with an AGPA of 2.3 or higher. The AGPA is calculated using their most recent 24 credits of university-level course work, without breaking up a term.

Bachelor of Science - Psychology Major

| Code | Title | Credits |
|---|--|------------|
| Specific Major Requirements | | |
| PSYC 104 | Introductory Psychology I | 3 |
| PSYC 105 | Introductory Psychology II | 3 |
| PSYC 212 | Introduction to Research Methods in Psychology | 3 |
| Choose 15 credits from the following: | | 15 |
| PSYC 223 | Developmental Psychology | |
| PSYC 233 | Personality | |
| PSYC 241 | Social Psychology | |
| PSYC 258 | Cognitive Psychology | |
| PSYC 267 | Perception | |
| PSYC 275 | Brain and Behaviour | |
| PSYC 281 | Principles of Behaviour | |
| General Major Requirements | | |
| Choose 18 to 36 credits from senior-level PSYC or PABA | | 18-36 |
| Secondary Major or Minor(s) | | |
| Students have the option of completing a second Science major, or 18-60 one or two minors. Minor courses must be completed at the senior-level. | | |
| Options | | |
| Students can complete up to 18 credits in out-of-faculty options, with 0-60 no more than 3 credits in physical activity (PACT) courses. | | |
| Total Credits | | 120 |

Psychology Science Honours

The Bachelor of Science (BSc) Psychology Honours degree program requires students to complete 120 credits of non-duplicative coursework. The Psychology Honours program is comprised of 84 credits designated as Specific Honours Requirements, Approved Honours Options, Courses Outside the Discipline, and Flex Courses (PSYC, PABA, or courses outside of the discipline).

For consideration of acceptance into Psychology Honours, students must present the following:

1. Completion of a minimum of 45 university-level credits applicable to the program of study, with a GPA of 3.0 or higher
2. 24 of the 45 credits must have been completed in the last 12 months
3. A minimum of six PSYC credits completed at the senior-level, including PSYC 212
4. A minimum GPA of 3.3 across all senior-level PSYC and PABA courses

Students accepted and enrolled in the Psychology Honours program must maintain a minimum overall GPA of 3.0. As well, students must maintain a minimum GPA of 3.3 across all senior-level PSYC and PABA courses for each 12 consecutive months following acceptance into the Honours program. Students must have an Honours Supervisor throughout their registration in the BSc Honours degree program. Failure to meet these conditions will result in the student's program status reverting to a BSc Psychology Major.

Students have the option of completing a minor within the requirements of the Psychology Honours program. Minors are comprised of 18 senior-level credits and can replace the Courses Outside the Discipline and Flex Courses. All BSc degrees, including Honours, require Breadth Requirements. Courses can satisfy both the breadth requirements and requirements for Honours, minor, or options.

Note: Junior-level courses BIOL 107, BIOL 108, and either STAT 151 or STAT 161 are required for Psychology Science Honours. STAT 161 is strongly recommended.

Bachelor of Science - Psychology Honours

| Code | Title | Credits |
|---|--|------------|
| Specific Honours Requirements | | |
| PSYC 104 | Introductory Psychology I | 3 |
| PSYC 105 | Introductory Psychology II | 3 |
| PSYC 212 | Introduction to Research Methods in Psychology | 3 |
| STAT 252 | Applied Statistics II | 3 |
| PSYC 301 | History of Psychology | 3 |
| PSYC 312 | Advanced Research Methods | 3 |
| PSYC 400 | Psychology Senior Seminar | 3 |
| PSYC 499A | Honours Thesis I | 3 |
| PSYC 499B | Honours Thesis II | 3 |
| Choose 15 credits from the following: | | 15 |
| PSYC 223 | Developmental Psychology | |
| PSYC 233 | Personality | |
| PSYC 241 | Social Psychology | |
| PSYC 258 | Cognitive Psychology | |
| PSYC 267 | Perception | |
| PSYC 275 | Brain and Behaviour | |
| PSYC 281 | Principles of Behaviour | |
| General Honours Requirements | | |
| <i>Approved Honours Options</i> | | |
| Choose 21 credits of senior-level PSYC or PABA courses in consultation with the psychology Honours advisor | | 21 |
| <i>Courses Outside the Discipline</i> | | |
| Choose 15 credits in consultation with the psychology Honours advisor | | 15 |
| <i>Flex Courses</i> | | |
| Choose 6 credits of PSYC, PABA, or courses outside of the discipline in consultation with the psychology Honours advisor | | 6 |
| Options | | |
| Students can complete up to 18 credits in out-of-faculty options, with 36 no more than 3 credits in physical activity (PACT) courses. | | |
| Total Credits | | 120 |

Approved Honours Options

Choose 21 credits of senior-level PSYC or PABA courses in consultation with the psychology Honours advisor 21

Courses Outside the Discipline

Choose 15 credits in consultation with the psychology Honours advisor 15

Flex Courses

Choose 6 credits of PSYC, PABA, or courses outside of the discipline in consultation with the psychology Honours advisor 6

Options

Students can complete up to 18 credits in out-of-faculty options, with 36 no more than 3 credits in physical activity (PACT) courses.

Total Credits 120

Psychology Minor

Total credits required for minor - 18 senior-level credits.

A minimum of six credits must be completed at the 300- or 400- level. PSYC 439 does not satisfy this requirement. Junior-level PSYC 104 and PSYC 105 are required.

| Code | Title | Credits |
|--|-------|-----------|
| Minor Requirements | | |
| Choose 18 credits from senior-level PSYC | | 18 |
| Total Credits | | 18 |

Degree Regulations

Students are strongly encouraged to seek advice from the faculty advisors about program planning.

Academic Residency - Credit Requirements

In addition to the academic residency requirements of the University, upon admission to the Bachelor of Science (BSc), students must complete at MacEwan University:

- A minimum of 24 credits at the senior-level in the major discipline, with 12 of those senior credits completed at the 300- or 400-level. All 400-level requirements are to be completed at MacEwan University.
- If applicable, a minimum of nine credits in a minor at the senior-level, with at least three of those credits completed at the 300- or 400-level.

Students with a previous MacEwan University credential are required to complete a minimum of 45 credits upon admission to the BSc.

Students who hold a baccalaureate degree from another post-secondary institution must complete a minimum of 60 additional MacEwan University credits applicable to the BSc. Forty-five of these credits must be completed while the students is enrolled in the BSc. This credit requirement applies to students who began their studies at MacEwan University and completed a credential at another institution.

Students who interrupt their program and who must apply for readmission to the program will be required to comply with any new regulations upon resumption of their studies.

Breadth Requirements

Courses taken to fulfil the major, minor, or option requirements can also be used to satisfy breadth requirements.

Declaration of a Major and Minor

Students are advised to declare a primary major and minor, or primary major and a secondary major, or a major and two minors by the time they have completed 45 credits. Primary majors are selected from Science disciplines and consist of 42 to 60 junior- and senior-level credits; secondary majors can be from an Science or Arts discipline. Multi-disciplinary majors consist of 60-72 junior- and senior-level credits. Except for students in an Honours program, a maximum of 60 credits may be completed from any one discipline for credit towards the degree. A major and minor cannot be in the same discipline and students may not declare more than one out-of-faculty minor. Students can re-declare their major(s) and/or minor(s) if required.

For students completing multiple majors or minors, the Faculty cannot guarantee a schedule of classes that will permit students to complete their degree in eight consecutive fall and winter semesters. Furthermore, depending on the configuration of the student's degree, meeting the requirements for the degree may require the completion of more than 120 credits for graduation. Students are strongly encouraged to consult with an academic advisor in the Faculty of Arts and Science Advising Office

and a discipline advisor in their major and minor prior to this declaration. Students majoring in mathematical or physical sciences may pursue a minor but are not required to do so.

Restricted Enrolment Courses

The Faculty of Arts and Science strives to accommodate all students wishing to enrol in a given course when it is appropriate to their program; however, classes in some courses must, for academic reasons, be restricted in size. If such a course is found to be oversubscribed, priority in registration will be given to those students whose programs may require it (e.g., majors, Honours, and/or minors) and then to other students as space permits.

Graduation Grade Point Average

As part of the Graduation Grade Point Average regulation above, Bachelor of Science students must obtain an overall GGPA of 2.0 or higher, with a minimum GPA of 2.0 on all courses credited toward the major(s) and a minimum GPA of 2.0 on all courses credited toward the minor(s).

Graduation Requirements

Graduation requirements are governed by the date on which a student declares their major(s) and minor(s). Students who declare their major(s) and minor(s) on or before the published deadline are bound by the requirements of the current academic year. Those students who declare after this date are bound by the programs of study and degree requirements of the upcoming academic year as published in the MacEwan Academic Calendar.

Junior - and Senior-Level Courses

Courses numbered from 100 to 199 are considered junior-level and courses numbered from 200 to 499 are considered senior-level.

Major or Minor 300- and 400- Level Requirements

The 300- and 400-level requirements in the major or minor cannot consist solely of project, field placement, and/or individual study courses.

Maximum Independent Courses

The maximum number of credits for independent work (project, field placement, and/or individual study courses) excluding the Honours Thesis, is 15 credits. Specific disciplines may have further restrictions.

Maximum Junior-Level Courses

A maximum of 48 credits at the 100-level are permitted in completion of the B.Sc. degree. Additional courses at the 100-level are extra to the 120 credits required to complete the B.Sc. degree and will not be counted toward fulfilment of graduation requirements.

Minimum Science Courses

Students are required to complete successfully a minimum of 72 total credits from Science courses.

Minimum Passing Grade

A minimum grade of D or credit CR is required for all Science degree courses unless otherwise noted next to the appropriate course in the program of study.

Minimum Transfer Grade for Credit

A minimum grade of D is required on any transfer credit granted for the program. Unless otherwise stated, Arts and Science courses require a

minimum grade of C- when the course is used as a prerequisite. Transfer credit decisions made by the university are final and cannot be appealed.

Out-of-Faculty Options Requirements

Students may take a maximum of 18 credits from courses offered by a MacEwan University Faculty or School other than Arts and Science. Students completing an out-of-faculty minor or laddering students who have met the minor requirements with a MacEwan University diploma must complete their degree requirements from courses offered within the Faculty of Arts and Science or from the list of *Cross-Faculty Course Recognitions* in the Academic Calendar. Courses deemed as *Cross-Faculty Course Recognitions* are used to fulfill in-Faculty courses within the BSc and do not count as out-of-Faculty options.

Progression of Studies

Students are responsible for ensuring they meet the prerequisite and/or co-requisite requirements as noted on all courses that may fulfill Bachelor of Science program requirements.

Honours Regulations

Overall Requirements

The Honours program of study consists of 63 to 84 credits as determined by the discipline. Students in the Honours program may choose to complete a minor outside of the Honours discipline. Some disciplines may require a minor.

Acceptance to Honours

For consideration of admittance/acceptance into Honours, students must present a minimum of 45 university-level credits applicable to the program of study, with a GPA of 3.0 or higher. They must complete 24 of the 45 credits in the last 12 months; however, exceptions to this rule may occur with the approval of the Honours discipline advisor. Individual departments may have additional requirements noted in their program of study.

Course Load

Students accepted into an Honours program must complete 24-credits in each twelve consecutive months they are in the program. Exceptions to this rule may occur with the approval of the Honours discipline advisor.

Grade Point Average

Students accepted and enrolled in the Science Honours program must maintain a minimum overall GPA of 3.0 across all courses in the degree. As well, students must maintain a minimum GPA of 3.3 across a set of courses designated by each discipline for each twelve consecutive months following acceptance into the Honours program. Failure to do so will result in the student's program status reverting to BSc with a major in the previous Honours discipline.

Graduation Grade Point Average

In order to graduate, students must obtain an overall GGPA of 3.0 or higher, with a minimum GPA of 3.3 on all courses credited toward the Honours program of study.

Program Learning Outcomes

Faculty of Arts and Science Degree-Level Learning Outcomes

Thinking about knowledge is at the core of University education and learning within the Faculty of Arts and Science. Students develop capacities to "think-

through" - to practice wonder, reflection, and engage in thoughtful inquiry and dialogue. Thinking-through involves questioning beyond the confines of one's immediate personal, social, and disciplinary surroundings. First, knowledge is acquired and understood. Learning moves beyond acquiring information and data to a formally disciplined manner of thinking about knowledge. Next, knowledge is interrogated by asking and answering questions, distinguishing between opinion and knowledge, and developing tools to assess reasons and evidence. Finally, knowledge is synthesized as students develop coherent arguments, and link ideas together beyond what is immediately apparent. Learning is a lifelong creative process of discovery and action that happens beyond the classroom and the degree. Our graduates interact with and contribute to their community by integrating and applying the research and communication skills and ways of knowing developed through their education. Learning outcomes capture the observable knowledge, skills, and abilities graduates acquire that are the foundation of learning.

Graduates will demonstrate their ability to "think-through" by:

- i. Analysing puzzles, problems, concepts, and theories.
- ii. Conceptualizing questions based on disciplinary knowledge.
- iii. Evaluating knowledge within and across disciplines in ways that acknowledge historical, cultural, and social contexts.

Graduates will demonstrate research and scholarship skills by:

- iv. Applying appropriate research skills and ethical principles.
- v. Interpreting results appreciating the value and limits of conclusions.
- vi. Recognizing how research involves an ongoing process of reflection, dialogue, and reassessment.

Graduates will demonstrate diverse skills for communication by:

- vii. Conveying complex ideas coherently in a variety of formats.
- viii. Appraising information in ways that consider context and audience.
- ix. Interpreting the ideas and arguments of others in ways that reflect their knowledge, judgement, and comprehension.

Graduates will demonstrate durable skills necessary for learning beyond their degree by:

- x. Collaborating with diverse groups.
- xi. Examining different perspectives and challenging biases and preconceptions.
- xii. Exploring the continuous impact and limitations of disciplinary knowledge and expertise.

Psychology Science Major Program Learning Outcomes

Upon completion of a BA or BSc with a major in Psychology, students will be able to:

1. Acquire, integrate and apply psychological knowledge
 1. Acquire content knowledge from multiple perspectives
 2. Locate and critically evaluate information, literature, theories, and data
 3. Incorporate new information into an existing psychological knowledge framework
 4. Evaluate knowledge gaps and employ psychological principles to address them

5. Translate acquired skills and knowledge to personal and applied domains
 6. Identify biases that can affect psychological phenomena
2. Evaluate psychological research
 1. Assess the scientific method and its limitations
 2. Distinguish between research methodologies
 3. Appraise the limits of data and results in explaining psychological phenomena and how to communicate these limits when formulating and evaluating conclusions
 4. Differentiate between scientific and non-scientific information
 3. Design psychological research
 1. Formulate research questions and testable hypotheses
 2. Evaluate appropriate methodology
 3. Predict expected results
 4. Appraise statistical techniques
 5. Draw conclusions from data
 4. Effectively communicate psychological concepts
 1. Produce effective written and oral communication employing a scientific vocabulary
 2. Correctly paraphrase, cite, and reference sources
 3. Differentiate between the formats in which scientists disseminate knowledge
 4. Appraise audiences and tailor communication accordingly
 5. Engage in professional conduct
 1. Work collaboratively
 2. Reflect on their responsibilities as members of the discipline
 3. Recognize ethical challenges and the importance of individual and scientific integrity
 4. Recognize the role of psychologists in a diverse society

Student Plan

- The student plan provides a suggested course sequence with the minimum number of credits required for the major
- The suggested course sequence depends on course availability, the student's schedule, and the student's choice of minor(s) or secondary major
- It is highly recommended that students complete their Breadth Requirements by the end of year 2
- Students should endeavour to complete PSYC 212 in Year 2. If not, they must complete this course in Year 3 as it is a prerequisite for all 400-level PSYC courses

| Year 1 | Credits |
|---|---------|
| PSYC 104 | 3 |
| PSYC 105 | 3 |
| BIOL 107 | 3 |
| BIOL 108 | 3 |
| ENGL 102 | 3 |
| Choose 3 credits (1 course) from the following: | 3 |
| STAT 151 | |

| | |
|----------------------|-----------|
| STAT 161 | |
| Breadth Requirements | 12 |
| | 30 |

| Year 2 | Credits |
|---|-----------|
| PSYC 212 | 3 |
| Choose 15 credits (5 courses) from the following: | 15 |
| PSYC 223 | |
| PSYC 233 | |
| PSYC 241 | |
| PSYC 258 | |
| PSYC 267 | |
| PSYC 275 | |
| PSYC 281 | |
| Breadth, Option, Minor(s), or Primary or Secondary Major Requirements | 12 |
| | 30 |

| Year 3 | Credits |
|---|-----------|
| Choose 9 credits (3 courses) from 300-level PSYC | 9 |
| Options, Minor(s), or Primary or Secondary Major Requirements | 21 |
| | 30 |

| Year 4 | Credits |
|---|-----------|
| Choose 6 credits (2 courses) from 400-level PSYC | 6 |
| Choose 3 credits (1 course) from senior-level PSYC | 3 |
| Options, Minor(s), or Primary or Secondary Major Requirements | 21 |
| | 30 |

Total Credits 120

Expected Course Offerings

Following is a list of expected course offerings for fall 2024 and winter 2025. While some might change, students can be assured that required courses will be available. Please refer to myStudentSystem for up-to-date course offerings.

| Fall 2024 | |
|-----------|--|
| PSYC 104 | Introductory Psychology I |
| PSYC 105 | Introductory Psychology II |
| PSYC 212 | Introduction to Research Methods in Psychology |
| PSYC 223 | Developmental Psychology |
| PSYC 233 | Personality |
| PSYC 241 | Social Psychology |
| PSYC 258 | Cognitive Psychology |
| PSYC 267 | Perception |
| PSYC 275 | Brain and Behaviour |
| PSYC 281 | Principles of Behaviour |
| PSYC 305 | Topics in Psychology |
| PSYC 307 | Health Psychology |
| PSYC 312 | Advanced Research Methods |

| | | | |
|----------|--|----------|-------------------------------------|
| PSYC 315 | Computational Thinking | PSYC 400 | Psychology Senior Seminar |
| PSYC 326 | Atypical Development | PSYC 405 | Special Topics in Psychology |
| PSYC 328 | Adult Development and Aging | PSYC 431 | Psychometrics |
| PSYC 333 | Advanced Personality | PSYC 435 | Introduction to Clinical Psychology |
| PSYC 337 | Forensic Psychology | PSYC 437 | Topics in Forensic Psychology |
| PSYC 339 | Abnormal Psychology | PSYC 438 | Psychological Interviewing |
| PSYC 350 | Human Memory | PSYC 439 | Psychology Field Placement |
| PSYC 351 | Spatial Cognition | PSYC 440 | Practice of Teaching in Psychology |
| PSYC 369 | Psychology of Music | PSYC 456 | Cognitive Assessment |
| PSYC 370 | Human Sexuality | PSYC 467 | Special Topics in Perception |
| PSYC 373 | Evolution and Human Behaviour | PSYC 475 | Comparative Neuroanatomy |
| PSYC 375 | Applied Neuropharmacology | | |
| PSYC 377 | Human Neuropsychology | | |
| PSYC 378 | Laboratory in Brain and Cognition | | |
| PSYC 385 | Introduction to Applied Behaviour Analysis | | |
| PSYC 405 | Special Topics in Psychology | | |
| PSYC 431 | Psychometrics | | |
| PSYC 435 | Introduction to Clinical Psychology | | |
| PSYC 437 | Topics in Forensic Psychology | | |
| PSYC 439 | Psychology Field Placement | | |
| PSYC 440 | Practice of Teaching in Psychology | | |
| PSYC 449 | Topics in Social Psychology | | |
| PSYC 456 | Cognitive Assessment | | |

Winter 2025

| | |
|----------|--|
| PSYC 104 | Introductory Psychology I |
| PSYC 105 | Introductory Psychology II |
| PSYC 212 | Introduction to Research Methods in Psychology |
| PSYC 223 | Developmental Psychology |
| PSYC 233 | Personality |
| PSYC 241 | Social Psychology |
| PSYC 258 | Cognitive Psychology |
| PSYC 267 | Perception |
| PSYC 275 | Brain and Behaviour |
| PSYC 281 | Principles of Behaviour |
| PSYC 301 | History of Psychology |
| PSYC 305 | Topics in Psychology |
| PSYC 306 | Sports Psychology |
| PSYC 307 | Health Psychology |
| PSYC 315 | Computational Thinking |
| PSYC 324 | Infant Development |
| PSYC 333 | Advanced Personality |
| PSYC 337 | Forensic Psychology |
| PSYC 339 | Abnormal Psychology |
| PSYC 350 | Human Memory |
| PSYC 355 | Social Cognition |
| PSYC 358 | Comparative Cognition |
| PSYC 367 | Laboratory in Human Perception |
| PSYC 370 | Human Sexuality |
| PSYC 375 | Applied Neuropharmacology |
| PSYC 377 | Human Neuropsychology |
| PSYC 378 | Laboratory in Brain and Cognition |
| PSYC 385 | Introduction to Applied Behaviour Analysis |

Admission Requirements

Applicants may be admitted to one of the following:

Regular Admission

To be evaluated through the Office of the University Registrar

Applicants must have a minimum overall average of 65 percent, with no course grade lower than 50 percent, in the following high school courses:

1. ELA 30-1
2. Mathematics 30-1
3. Two of Biology 30, Chemistry 30, Mathematics 31, Physics 30, or Computing Science-Advanced Career and Technology Studies (5 credits)
4. One subject from Group A, B, C or D

Notes:

- A maximum of one Group D subject may be presented. Group D subjects used for admission must be 5-credit or any credit combination of at least 5 credits (e.g., two 3-credit subjects).

Applicants with nine to 23 university-level credits must also present a minimum Admission Grade Point Average (AGPA) of 2.0 on a 4.0 scale. Applicants with 24 or more university-level credits will be considered under Previous Post-Secondary Work.

Mature Admission

To be evaluated through the Office of the University Registrar

Applicants must be Canadian Applicants, 20 years of age or older, and have been out of full-time high school at least one year by the beginning of the intake term. Applicants must have a minimum overall average of 60 percent, with no course grade lower than 50 percent, in the following high school courses:

1. ELA 30-1
2. Mathematics 30-1
3. Two of Biology 30, Chemistry 30, Mathematics 31, Physics 30, or Computing Science-Advanced Level Career and Technology Studies (5 credits)

Applicants with nine to 23 university-level credits must also present a minimum Admission Grade Point Average (AGPA) of 2.0 on a 4.0 scale. Applicants with 24 or more university-level credits will be considered under Previous Post-Secondary Work.

Previous Post-Secondary Work

To be evaluated through the Office of the University Registrar

Admission in this category does not imply or guarantee the transfer of any coursework and/or credential unless a block transfer agreement (internal or external) is in effect and published in the calendar by the Office of the University Registrar. In addition, transfer of coursework does not imply or guarantee that an applicant will be admitted.

Applicants must have successfully completed the following:

- A minimum of 24 university-level credits, from a recognized institution, with a minimum Admission Grade Point Average (AGPA) of 2.0 on a 4.0 scale.

- The required mathematics and science courses listed under the Regular or Mature Admission category.

Additional Admission Criteria

All applicants must meet the following:

1. English Language Proficiency

To be evaluated through the Office of the University Registrar

Applicable to All Admission Categories

All applicants must meet an acceptable level of English language proficiency. We will require official documents such as high school or post-secondary transcripts or proof of successful completion of standardized language evaluation. Full details are available in MacEwan University's academic calendar or online at MacEwan.ca/ELP/ (<http://MacEwan.ca/ELP/>).

2. Other Admission Criteria

To be evaluated through the Office of the University Registrar

Applicable to All Admission Categories

Applicants who have been assigned two unsatisfactory academic records within the past five years will not be considered for admission or re-admission to the program until a minimum three years from the date of the assignment of the last unsatisfactory academic record. For the purpose of admission or re-admission, an unsatisfactory record is defined as a transcript with the notation 'required to withdraw' or equivalent.

Psychology Courses

Psychology

PSYC 104

Introductory Psychology I

3 Credits Weekly (3-0-0)

A survey of natural science topics in Psychology. The course covers the evolution of psychological sciences, research methods, biological psychology, consciousness, principles and development of perception, motivation, learning, and their relationship to the psychological functioning of the individual. If both PSYC 104 and PSYC 105 are to be taken it is recommended that students take PSYC 104 before taking PSYC 105. Note that this course is typically delivered in a 'hybrid' style, with more online components and fewer in-class hours.

PSYC 105

Introductory Psychology II

3 Credits Weekly (3-0-0)

A survey of social science topics in Psychology. This course is an introduction to the study of individual and social behavior including individual differences in behaviour, thought, intelligence, human development, personality, social behaviour, stress responses, as well as psychological disorders and their treatment. If both PSYC 104 and PSYC 105 are to be taken it is recommended that students take PSYC 104 before taking PSYC 105. Please note that this course is typically delivered in a 'hybrid' format, with more content delivered online and fewer in-class hours.

PSYC 212**Introduction to Research Methods in Psychology****3 Credits Weekly (3-0-0)**

This course provides an introduction to experimental and non experimental methods in psychology. Topics covered include philosophy of science; measurement; reliability and validity of methods, measures, and effects; survey design; correlational, experimental, quasi-experimental, qualitative, longitudinal and single-subject designs; biases in experimentation; and research ethics.

Prerequisites: Minimum grades of C- in PSYC 104, PSYC 105, and in STAT 151 or STAT 161 or equivalent, STAT 161 is strongly recommended.

PSYC 223**Developmental Psychology****3 Credits Weekly (3-0-0)**

Many aspects of human nature and behaviour change during the process of development. This course reviews the physical, sensory, motor, cognitive, social, and emotional changes during various developmental stages. Development in infancy, childhood, and adolescence is emphasized.

Prerequisites: Minimum grades of C- in PSYC 104 and PSYC 105.

PSYC 233**Personality****3 Credits Weekly (3-0-0)**

In this survey of personality psychology, the student is introduced to a number of theoretical perspectives and methodological approaches to the study of personality. Additionally, assessment methods and research relevant to the study of personality are reviewed.

Prerequisites: Minimum grades of C- in PSYC 104 and PSYC 105.

PSYC 241**Social Psychology****3 Credits Weekly (3-0-0)**

This course is a survey of theories and research on topics such as attitudes and attitude change, person perception, attraction, pro-social behaviour, aggression and applied social psychology. Note: PSYC 241 and SOCI 241 may not both be taken for credit.

Prerequisites: Minimum grade of C- in PSYC 105 or in SOCI 100.

PSYC 258**Cognitive Psychology****3 Credits Weekly (3-0-0)**

This course surveys a number of topics in cognitive psychology including perception, attention, knowledge representation, memory, learning, language, reasoning, and problem solving.

Prerequisites: Minimum grades of C- in PSYC 104 and PSYC 105.

PSYC 267**Perception****3 Credits Weekly (3-0-0)**

This course is an introduction to the theoretical and experimental issues associated with the sensory and perceptual experience of the world. The main emphasis is on understanding basic perceptual phenomena, such as the relation between physical stimuli and experience. To this end, we must consider: The nature of the physical stimuli; the anatomy and physiology of the sense organs and receptors; the anatomy and physiology of the neural paths from receptors to the brain; how the brain processes sensory information; and the procedures used by researchers to obtain information about these systems.

Prerequisites: Minimum grade of C- in PSYC 104.

PSYC 275**Brain and Behaviour****3 Credits Weekly (3-0-0)**

This course is an introduction to physiological psychology. Topics include sensation, perception, movement, motivation, memory, cognition, learning, and emotion from a biological point of view.

Prerequisites: Minimum grade of C- in PSYC 104 (Biology 30 or equivalent is strongly recommended).

PSYC 281**Principles of Behaviour****3 Credits Weekly (3-0-0)**

This course is an introduction to the principles of learning and behaviour, with an emphasis on the processes of classical and operant conditioning. Basic research findings are discussed as well as the application of those findings to important aspects of human behaviour. Note: Students can only receive credit for one of PSYC 281 or PABA 281.

Prerequisites: Minimum grade of C- in PSYC 104.

PSYC 301**History of Psychology****3 Credits Weekly (3-0-0)**

Psychology is a relatively young science, but its history is varied, intriguing and extends well beyond the first psychologists. From early philosophy, physiology and medicine, through the dawn of evolutionary theories and radical behaviourism, to the cognitive revolution and modern neuroscience, we examine the trends, competing theoretical perspectives and socio-political influences on the discipline in Western society.

Prerequisites: Minimum grades of C- in at least one of PSYC 223, PSYC 233, PSYC 241, PSYC 258, plus one of PSYC 267, PSYC 275 or PSYC 281.

PSYC 305**Topics in Psychology****3 Credits Weekly (3-0-0)**

This course provides a focused study of a currently relevant or special topic in psychology. The topic for the course varies term to term and topics are posted in the department and on the department website prior to registration. Specific prerequisites for each topic are also posted, and students are advised to check the descriptions prior to requesting permission from the Chair. In general, these topics are suitable for students in the 3rd or 4th year of their studies. Additional prerequisites will be required depending on the topic.

Prerequisites: Minimum grades of C- in PSYC 104 and PSYC 105 and consent of the department.

PSYC 306**Sports Psychology****3 Credits Weekly (3-0-0)**

This course is a study of the psychological factors that influence and are influenced by participation and performance in sport, exercise, and physical activity, and the application of the knowledge gained through this study to everyday settings.

Prerequisites: Minimum grades of C- in at least one of PSYC 223, PSYC 233, PSYC 241, PSYC 258, plus one of PSYC 267, PSYC 275 or PSYC 281.

PSYC 307**Health Psychology****3 Credits Weekly (3-0-0)**

This course examines how biological, psychological, and social factors affect the efforts people make in maintaining health and addressing illness, the effectiveness with which they cope with and reduce stress and pain, and the recovery, rehabilitation and psychosocial adjustment of patients with serious health problems.

Prerequisites: Minimum grades of C- in PSYC 104 and PSYC 105 plus at least two 200-level PSYC (<https://calendar.macewan.ca/course-descriptions/psyc/>) courses.

PSYC 312**Advanced Research Methods****3 Credits Weekly (3-2-0)**

This course emphasizes the following aspects of research methodology: design, analysis, ethics, reporting of results, and issues relevant to various areas of specialization in psychology. The advantages and limitations of particular research designs are explored. Students have the opportunity to gain first-hand experience with different research methodologies along with data collection. Toward the end of the course, students have the opportunity to present the results of original data in various formats. Note: This is a required course for students registered in the honours program.

Prerequisites: A minimum grade of C- in PSYC 212 and consent of the department.

PSYC 315**Computational Thinking****3 Credits Weekly (3-0-0)**

Students will develop computational thinking skills as an approach to problem solving in this course. Students will learn the logical procedures and steps in the computational thinking approach which include decomposition, pattern recognition, abstraction, and algorithm design. Note: Credit can only be obtained in one of PSYC 315 or MGTS 315.

Prerequisites: Third year standing as well as minimum grades of C- in PSYC 104 or 105, and in one of STAT 151, STAT 161, or MGTS 103.

PSYC 324**Infant Development****3 Credits Weekly (3-0-0)**

This course reviews the biological and sociocultural influences on the development of human infants from conception up to the age of three. Research is discussed that has revealed the physical, cognitive, and psychosocial factors that serve to distinguish normal from abnormal developments. In addition, issues of concern to caregivers/parents are explored.

Prerequisites: Minimum grade of C- in PSYC 223.

PSYC 326**Atypical Development****3 Credits Weekly (3-0-0)**

This course provides a theoretical and practical framework for conceptualizing atypical development and psychological disorders of children and adolescents. Prevalent clinical phenomena, treatment methods, approaches to preventing psychological disorders, and promoting optimal development are presented. Developmental, individual, familial, and social factors associated with disruptions in normative psychosocial growth are examined.

Prerequisites: Minimum grade of C- in PSYC 223.

PSYC 328**Adult Development and Aging****3 Credits Weekly (3-0-0)**

This course describes and discusses development from early adulthood through the final stages of life. Topics include lifespan development theories and research methods, age changes in cognitive processes, intellectual functioning and personality, changes in relationships and work, physiological changes, psychopathology associated with aging, death and dying, and psychological services for the adult and the aged.

Prerequisites: Minimum grade of C- in PSYC 223.

PSYC 333**Advanced Personality****3 Credits Weekly (3-0-0)**

This course is intended to advance students' understanding of personality theory and research. It provides an in-depth analysis of relevant personality theories, and discusses challenges and controversies in the areas of personality structure and processes.

Prerequisites: Minimum grade of C- in PSYC 233.

PSYC 337**Forensic Psychology****3 Credits Weekly (3-0-0)**

This course surveys the topic areas addressed by researchers interested in the interface between psychology and the law. The course examines the participation of psychologists and the application of psychological science within the criminal justice system. Topics may include: psychological factors associated with eyewitness and jury experiences, risk assessment, criminal profiling and police investigations, violent offenders, mental health and the criminal justice system, and the influence of psychology in the legal system.

Prerequisites: Minimum grades of C- in PSYC 104 and PSYC 105 and at least two 200-level courses in PSYC (<https://calendar.macewan.ca/course-descriptions/psyc/>).

PSYC 339**Abnormal Psychology****3 Credits Weekly (3-0-0)**

This course offers an introduction to topics that outline the study of abnormal behaviour. Using an integrated model that encompasses biological, psychological, and sociocultural perspectives, psychological disorders are examined on a wide range of issues that include assessment, etiology, and treatment. Topics and disorders may include anxiety disorders, mood disorders, sexual and gender identity disorders, eating disorders, sleep-wake disorders, addictive disorders, personality disorders, and schizophrenia.

Prerequisites: Minimum grade of C- in PSYC 104 and PSYC 105, plus at least one 200-level PSYC (<https://calendar.macewan.ca/course-descriptions/psyc/>) course (PSYC 233 or PSYC 275 recommended).

PSYC 350**Human Memory****3 Credits Weekly (3-0-0)**

This course reviews theoretical perspectives and empirical research methods that are related to the study of human memory. These build upon historical/biological foundations and core models of memory, and extend to complex forms of memory (i.e., episodic, semantic, autobiographical), as well as everyday applications and enhancement of memory strategies. This course also reviews the nature of forgetting, amnesia, and memory disorders. In addition, popular culture claims regarding memory and applied memory issues (e.g., false memories, memory and the law) may be covered.

Prerequisites: Minimum grade of C- in PSYC 258.

PSYC 351**Spatial Cognition****3 Credits Weekly (3-0-0)**

This course examines how people learn, remember, and use spatial information such as landmarks to navigate effectively. Students will learn how spatial information is represented and processed in the brain, the role of early-life experience, and training (e.g., playing video games). The course will also explore effects of culture, sex differences and individual differences in navigational ability, and why and how people get lost. Although this course is designed to focus on humans, relevant research on non-human animals is also discussed.

Prerequisites: Minimum grade of C- in PSYC 212, and in one of PSYC 258 or PSYC 358.

PSYC 355**Social Cognition****3 Credits Weekly (3-0-0)**

This course focuses on how social interaction is mediated by cognitive mechanisms including perception, attention, memory, thinking, judgments, and reasoning. This examination involves reviewing theoretical perspectives (e.g., cognitive, neuroscience, evolutionary) and empirical research on a variety of topics including heuristics, social information processing, social memory, attitudes, attribution, judgement and decision making, interpersonal relationships, and prejudice. Note: Both PSYC 241 and PSYC 258 are recommended as prerequisites.

Prerequisites: A minimum grade of C- in PSYC 258 or PSYC 241.

PSYC 358**Comparative Cognition****3 Credits Weekly (3-0-0)**

Cognitive skills and processes differ across species in ways that are functionally significant. This course explores similarities and differences in memory, recognition and discrimination, foraging and tool use, social learning, social intelligence, and communication across a variety of species.

Prerequisites: Minimum grades of C- in PSYC 212 and in either PSYC 281 or PSYC 373.

PSYC 367**Laboratory in Human Perception****3 Credits Weekly (2-1-0)**

This course presents a practical introduction to techniques used to measure perceptual performance. Lectures cover advanced topics in sensation and perception with special emphasis on a specific modality such as vision. Students also conduct experiments and complete assignments that introduce practical skills related to perceptual and/or sensory performance measurement.

Prerequisites: Minimum grades of C- in PSYC 212 and PSYC 267.

PSYC 369**Psychology of Music****3 Credits Weekly (3-0-0)**

This course reviews theoretical perspectives and empirical research on the psychology of music. Students explore how people perceive, learn, perform, and respond emotionally to music, and how they process music in the brain. Other topics include the evolutionary origins of music, the use of music for therapeutic purposes, and the effect of music training on non-musical skills.

Prerequisites: Minimum grade of C- in PSYC 104 and 105, and in at least two 200-level PSYC (<https://calendar.macewan.ca/course-descriptions/psyc/>).

PSYC 370**Human Sexuality****3 Credits Weekly (3-0-0)**

This course offers a multidisciplinary perspective of human sexuality in a diverse world. Human sexual function is explored from biological and developmental as well as psychosocial and cultural perspectives. There is also a comprehensive discussion of human reproduction and medical aspects of sexual function and dysfunction.

Prerequisites: Minimum grade of C- in at least three 300- or 400- level PSYC (<https://calendar.macewan.ca/course-descriptions/psyc/>) courses.

PSYC 373**Evolution and Human Behaviour****3 Credits Weekly (3-0-0)**

This course is an introduction to the study of human behaviour within an evolutionary context. Adaptive physiology, traits, perception, cognition, and other behaviours are explored by examining theories, methods, and results of research from various fields including psychology, anthropology, economics, and biology.

Prerequisites: Minimum grades of C- in two 200-level PSYC (<https://calendar.macewan.ca/course-descriptions/psyc/>) courses.

PSYC 375**Applied Neuropharmacology****3 Credits Weekly (3-0-0)**

The course focuses on the mechanisms by which clinical and recreational drugs exert their effects. Students gain an understanding of drug action by examining neuropharmacology at molecular and cellular levels of analysis and exploring major neurotransmitter systems in the CNS (central nervous system). The effects of psychoactive drugs on major nervous system functions such as movement, sleep, and memory are reviewed. The pathogenesis and pharmacological management of major neurological and psychiatric disorders are also discussed.

Prerequisites: Minimum grade of C- in PSYC 275.

PSYC 377**Human Neuropsychology****3 Credits Weekly (3-0-0)**

This course is an introduction to changes in behaviour and higher mental processes which result from structural changes to the brain. Through the use of clinical examples, the student becomes familiar with the neuroanatomical correlates of normal and abnormal behaviour in humans. The processes of neuropsychological assessment and diagnosis after insults to the brain is discussed.

Prerequisites: Minimum grade of C- in PSYC 275.

PSYC 378**Laboratory in Brain and Cognition****3 Credits Weekly (3-1-0)**

The focus of this course will be on experimental design, hypothesis generation, data analysis and interpretation, scientific report writing, and scholarly communication. Students will gain hands-on experience in each of these areas through the in-depth study of select topics in brain and cognition.

Prerequisites: Minimum grades of C- in PSYC 212, PSYC 275, and one of either PSYC 267 or PSYC 258.

PSYC 385**Introduction to Applied Behaviour Analysis****3 Credits Weekly (3-0-0)**

This course examines the ways in which principles of conditioning and learning have been applied to areas of human concern. The basic concepts, specific techniques, and ethical issues involved in the field of applied behaviour analysis are surveyed. Note: Students can only receive credit for one of PSYC 385 and PABA 385.

Prerequisites: Minimum grade of C- in PSYC 281.

PSYC 391**Psychology of Consciousness****3 Credits Weekly (3-0-0)**

The course focuses on the relations between the subjective experience of consciousness and the theoretical concepts from a variety of psychological perspectives, including cognitive science, phenomenology, neuropsychology, developmental processes, evolutionary psychology, cross cultural psychology and transpersonal perspectives. Additionally, various experiences of consciousness are considered including sleep, dreams, drug effects, meditation, hypnosis, daydreaming, paranormal experiences, trance states, and near death experiences.

Prerequisites: Minimum grade of C- in PSYC 233 and at least one additional 200-level PSYC (<https://calendar.macewan.ca/course-descriptions/psyc/>) course.

PSYC 398**Independent Study****3 Credits Total (0-0-45)**

This course permits a student to work with an instructor to explore a specific topic in depth through research or directed reading in primary and secondary sources. The student builds academic skills under the direction of a faculty supervisor, to complete a research project or to learn a specialized technique. To be granted enrollment in the course, the student must have made prior arrangements with a faculty member willing to supervise his or her project. This course can be taken twice for credit.

Prerequisites: A minimum grade of C- in PSYC 212 and consent of the department.

PSYC 400**Psychology Senior Seminar****3 Credits Weekly (0-0-3)**

The Psychology Senior Seminar allows students to integrate and apply the skills and knowledge acquired throughout their earlier training. Students focus on contemporary topics and controversies, including issues relevant to both academic and professional psychologists. Note: This course is required for students completing the Honours program in Psychology. Other Psychology majors who have completed PSYC 312 may request permission to enroll if space is available.

Prerequisites: A minimum grade of C- in PSYC 312 and consent of the department.

PSYC 405**Special Topics in Psychology****3 Credits Weekly (0-0-3)**

This course provides an in-depth study of a psychology specialization or of a current issue in psychology. The topic for the course varies term to term and topics are posted in the department and on the department website prior to registration. Specific prerequisites for each topic are also posted, and students are advised to check the descriptions prior to requesting permission from the Chair. In general, these topics are suitable for students in the 3rd or 4th year of their studies.

Prerequisites: Minimum grade of C- in PSYC 212 and department consent; sections may ALSO require additional unique prerequisites and students must check the descriptions on the website prior to requesting consent of the department.

PSYC 408**Psychology of Well-being****3 Credits Weekly (0-0-3)**

The scientific study of well-being focuses on the nature, development, and impact of thoughts, emotions, behaviours, strengths of character, environments, institutions, and societies that foster well-being and a meaningful life. This course examines historical and theoretical perspectives on the study of well-being and contemporary research on such topics as positive affect, resilience, self-regulation, mindfulness, and positive organizations. It also examines applications of well-being research to clinical psychology, physical health, and other domains.

Prerequisites: A minimum grade of C- in PSYC 212 and at least two 300- or 400-level courses in PSYC (<https://calendar.macewan.ca/course-descriptions/psyc/>).

PSYC 423**Topics in Development****3 Credits Weekly (0-0-3)**

This course provides an in-depth study of a topic in developmental psychology. The theoretical, methodological and applied issues are emphasized. The topic for the course varies year to year and is announced prior to registration. Possible topics include the role of parents in development, prenatal development, infancy, adolescence, cognitive development, social development, physical development or ecological theories of development.

Prerequisites: Minimum grades of C- in PSYC 212 and PSYC 223.

PSYC 431**Psychometrics****3 Credits Weekly (3-0-0)**

This course provides an overview of theories, principles, and applications of psychological testing and assessment. The focus is on standardized psychological tests in the areas of intelligence, aptitude, personality, interests, and attitudes and values.

Prerequisites: Minimum grades of C- in PSYC 212 and PSYC 339.

PSYC 435**Introduction to Clinical Psychology****3 Credits Weekly (0-0-3)**

This course examines the profession of clinical psychology, including topics such as clinical assessment and diagnosis, clinical judgment and decision making, psycho-therapeutic and community interventions, and professional ethics.

Prerequisites: Minimum grades of C- in PSYC 212 and PSYC 339.

PSYC 437**Topics in Forensic Psychology****3 Credits Weekly (0-0-3)**

In this course, students critically discuss contemporary issues in forensic psychology in a seminar-based format. Material is drawn from both historical and current primary resources, with emphasis on research literature that explores theoretical and empirical approaches to the topic area. Evaluation is largely based on class presentations, participation, and written assignments. Topics vary from year to year, and may include (but are not limited to) psychopathy, deception, eyewitness memory, risk assessment, sexual and violent offenders, mental illness and crime, malingering, and ethical and legal issues in forensic psychology.

Prerequisites: Minimum grades of C- in PSYC 212 and PSYC 337.

PSYC 438**Psychological Interviewing****3 Credits Weekly (3-0-0)**

This course concerns the study and development of professional helping skills. Topics include the helping relationship, interviewing skills, listening skills, confrontation skills, ethical and legal decision-making, and prevention of professional burnout. Please note that a large portion of the course involves role-playing exercises and participation in these exercises counts for a significant portion of one's grade. Note: With consent of the department, PSYC 435 may be permitted as a co-requisite.

Prerequisites: Minimum grades of C- in PSYC 212 and PSYC 435, and two of PSYC 326, PSYC 377, PSYC 385, PSYC 431, or PSYC 456.

PSYC 439**Psychology Field Placement****3 Credits Weekly (0-0-9)**

In this course, students are assigned to a psychologist in a public, private, or non-profit program where they apply their knowledge of abnormal psychology in a supervised field placement. Each student is involved in a project that significantly contributes to the organization's clinical practice (e.g., program manual, guidelines for practice) or to the organization's research endeavours (e.g., evaluation of a service within the program).

Notes: This course does not fulfill the 400-level credit requirement of the Psychology Major and Minor. The number of placements may be limited in any given term, and therefore course enrollment will be contingent on the student's grades in the prerequisite courses and on the student's interests and skills. Certain placements may require other course prerequisites or co-requisites, depending on the nature of the placement.

Prerequisites: Minimum grades of C- in PSYC 212 and PSYC 339, and consent of the department.

PSYC 440**Practice of Teaching in Psychology****3 Credits Total (0-0-45)**

Students learn the skills and expectations associated with teaching psychology at the university level. They function as a teaching assistant and are mentored by various faculty members in the Department of Psychology. Throughout this course, they attend workshops and lectures on teaching methods, evaluation methods, detecting and deterring academic dishonesty, and ethics associated with the practice of teaching. Students are also expected to lead scheduled tutorial sessions and collaborate with a supervising instructor as well as with a TA coordinator.

Prerequisites: A minimum grade of C- in PSYC 212 and consent of the department.

PSYC 449**Topics in Social Psychology****3 Credits Weekly (0-0-3)**

This course offers an in-depth study of a specific topic in social psychology. The theoretical, methodological and applied issues are emphasized. The topic for the course varies year to year and is announced prior to registration. Possible topics include eyewitness testimony, prejudice and discrimination, media influences on aggression, and interpersonal attraction.

Prerequisites: Minimum grade of C- in PSYC 212 and PSYC 241.

PSYC 456**Cognitive Assessment****3 Credits Weekly (3-1-0)**

This course covers the fundamentals of cognitive assessment, including test administration, scoring, interpretation, and report writing. The techniques and tools for evaluating several areas of cognitive functioning including intelligence, attention, memory, language, perception, learning, and complex cognitive processes such as critical thinking, problem solving, and creativity are surveyed. The Wechsler tests (e.g., WAIS-IV, WISC-IV, WPPSI-IV, WASI) and academic achievement measures are highlighted in this course.

Prerequisites: Minimum grades of C- in PSYC 212 and PSYC 339.

PSYC 467**Special Topics in Perception****3 Credits Weekly (0-0-3)**

In this course, students critically discuss contemporary issues in sensation and perception in a seminar-based format. Material is largely drawn from both historical and current primary resources, with an emphasis on research literature that explores links between neural mechanisms and perceptual performance. Evaluation is largely based on class participation and written assignments.

Prerequisites: Minimum grade of C- in PSYC 212 and in PSYC 267 or PSYC 275.

PSYC 473**Advanced Evolutionary Psychology****3 Credits Weekly (2-1-0)**

Students examine theory and evidence related to evolutionary psychology as applied to humans and other animals. In addition to analysis of journal articles and other primary sources, students replicate several studies in the laboratory in order to see first-hand some typical research methods associated with the field.

Prerequisites: Minimum grade of C- in PSYC 212 and PSYC 373.

PSYC 475**Comparative Neuroanatomy****3 Credits Weekly (2-1-0)**

This is an advanced course in neuroanatomical organization, examining CNS (central nervous system) functions at molecular, cellular, and systems levels. The anatomy and functions of various tract systems and nuclei are compared across species and across levels of the nervous system. Fundamental concepts of nervous system organization, such as principles of neural coding and efficiency in wiring, and columnar organization of the cortex are discussed. The course features a combination of lectures and seminars based on readings of primary empirical literature. This course includes lab work in the gross CNS anatomy of a variety of species.

Prerequisites: Minimum grades of C- in PSYC 212 and PSYC 275 and in two of PSYC 358, PSYC 367, PSYC 375, or PSYC 377; or consent of the department.

PSYC 498**Advanced Independent Study****3 Credits Total (0-0-45)**

This course permits an advanced student to work with an instructor to explore a specific topic in depth through research or directed reading in primary and secondary sources. The student plans, executes and reports the results of their independent research or study project under the direction of a faculty supervisor. To be granted enrollment in the course, the student must have made prior arrangements with a faculty member willing to supervise his or her project. This course can be taken twice for credit.

Prerequisites: A minimum grade of C- in PSYC 212 and consent of the department.

PSYC 499A**Honours Thesis I****3 Credits Total (0-0-45)**

Under the direction of a faculty member, students conduct an empirical research project culminating in the Honours Thesis and formal presentation of research findings. Note: This course is open only to students in the Psychology honours program. Students complete both PSYC 499A and 499B in consecutive terms to attain credit in this course.

Prerequisites: Minimum grade of C- in PSYC 312 and consent of the department.

PSYC 499B**Honours Thesis II****3 Credits Total (0-0-45)**

Under the direction of a faculty member, students conduct an empirical research project culminating in the Honours Thesis and formal presentation of research findings. Note: This course is open only to students in the Psychology honours program. Students must complete both PSYC 499A and 499B in consecutive terms to attain credit in this course.

Prerequisites: Minimum grade of C- in PSYC 312 and consent of the department.

Psychology: Applied Behavioural Analysis**PABA 281****Principles of Behaviour****3 Credits Weekly (3-0-0)**

This course is an introduction to the principles of learning and behaviour, with an emphasis on the processes of classical and operant conditioning. Basic research findings are discussed as well as the application of those findings to important aspects of human behaviour. Note: Students can only receive credit for one of PSYC 281 or PABA 281.

Prerequisites: Minimum grade of C- in PSYC 104.

PABA 385**Introduction to Applied Behaviour Analysis****3 Credits Weekly (3-0-0)**

This course examines the ways in which principles of conditioning and learning have been applied to areas of human concern. The basic concepts, specific techniques, and ethical issues involved in the field of applied behaviour analysis are surveyed. Note: Students can only receive credit for one of PSYC 385 and PABA 385.

Prerequisites: Minimum grade of C- in PSYC 281.

PABA 485**Single-Case Research Designs****3 Credits Weekly (3-0-0)**

This course is an introduction to single-case research designs. It examines the use of single-case designs to assess various dimensions of behaviour and evaluate the effects of behavioural interventions. The challenges and limitations of single-case research are discussed, as well as the manner in which single-case data can be used to establish the validity of evidence-based interventions. The course encompasses a broad range of research within both the behaviour analytic literature and other disciplines including school psychology, medicine, and business.

Prerequisites: A minimum grade of C- in PSYC 385.

PABA 486**Behavioural Interventions in Developmental Disabilities****3 Credits Weekly (3-0-0)**

This course examines the application of behaviour analysis in practice with developmental disabilities, specifically in autism. The course examines the research and the clinical recommendations for behavioural interventions in practice. The course also discusses the practice guidelines by the BACB and the National Standards Project in Autism.

Prerequisites: A minimum grade of C- in PSYC 385.

PABA 487**Clinical Behaviour Analysis and Professional Ethics****3 Credits Weekly (3-0-0)**

Psychotherapies rooted in behaviour analysis include functional analytic psychotherapy, behaviour activation therapies, dialectical behaviour theory, and acceptance and commitment therapy. This course will focus on interventions with verbally competent clients (including self-management) by examining language development from a behaviouristic perspective, and by analyzing advanced language and cognition from a post-Skinnerian viewpoint (i.e., relational frame theory, derived relations, rule-governed behaviour, etc.). This course will also focus on the ethical standards for behaviour analysis in professional practice. NOTE: Students cannot receive credit for both PABA 386 and PABA 487.

Prerequisites: A minimum grade of C- in PSYC 281 and PSYC 385.