

COGNITIVE SCIENCE MINOR (B.SC.) (24 CREDITS)

Offered by: Science (Faculty of Science)

Degree: Bachelor of Science

Program credit weight: 24

Program Description

The Minor Cognitive Science is intended to allow students in the Faculty of Arts or the Faculty of Science to explore the interdisciplinary study of cognition. The goal is to understand the principles of intelligence with the hope that this will lead to a better understanding of the mind and learning.

Students wishing to complete this Minor should contact the Cognitive Science Program Adviser if there are any questions about the requirements at <https://www.mcgill.ca/science/undergraduate/advice/sousa>.

Note: For information about Fall 2025 and Winter 2026 course offerings, please check back on May 8, 2025. Until then, the "Terms offered" field will appear blank for most courses while the class schedule is being finalized.

Required Course (3 credits)

PSYC 433 Cognitive Science.

Complementary Courses (21 credits)

Note:

Students must take a minimum of 6 credits at the 400 to 500 level.

Students may not take any courses from their home department(s).

Students complete a minimum of 9 credits each in two areas.

Computer Science and Mathematics

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Course	Title	Credits
COMP 206	Introduction to Software Systems.	3
COMP 230	Logic and Computability.	3
COMP 250	Introduction to Computer Science.	3
COMP 251	Algorithms and Data Structures.	3
COMP 302	Programming Languages and Paradigms.	3
COMP 330	Theory of Computation.	3
COMP 527	Logic and Computation.	3
MATH 240	Discrete Structures.	3
MATH 318	Mathematical Logic.	3

Linguistics

Any course at the 300, 400 or 500 level from the department of Linguistics, or:

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Course	Title	Credits
LING 201	Introduction to Linguistics.	3
LING 210	Introduction to Speech Science.	3
LING 260	Meaning in Language.	3

Philosophy

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Course	Title	Credits
PHIL 210	Introduction to Deductive Logic 1.	3
PHIL 221	Introduction to History and Philosophy of Science 2.	3
PHIL 306	Philosophy of Mind.	3
PHIL 310	Intermediate Logic.	3
PHIL 311	Philosophy of Mathematics.	3
PHIL 341	Philosophy of Science 1.	3
PHIL 411	Topics in Philosophy of Logic and Mathematics.	3
PHIL 415	Philosophy of Language.	3
PHIL 441	Philosophy of Science 2.	3
PHIL 474	Phenomenology.	3

Psychology

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Course	Title	Credits
PSYC 212	Perception.	3
PSYC 213	Cognition.	3
PSYC 301	Animal Learning and Theory.	3
PSYC 304	Child Development.	3
PSYC 310	Intelligence.	3
PSYC 311	Human Cognition and the Brain.	3
PSYC 315	Computational Psychology.	3
PSYC 319	Computational Models - Cognition.	3
PSYC 340	Psychology of Language.	3
PSYC 410	Special Topics in Neuropsychology.	3
PSYC 413	Cognitive Development.	3
PSYC 538	Categorization, Communication and Consciousness.	3