Do you have a flexible mind capable of creative, speculative thought, precise calculation and practical problem solving? If you’re interested in computer science, linguistics and philosophy, a major in Logic and Computation could be the ideal choice for you.

What you will learn
This major is relevant both to theoretical philosophy and the foundations of computer science. It can also be useful for technological applications in artificial intelligence. You’ll have the chance to gain sound practical knowledge of programming and logical analysis, and to develop the conceptual, analytical and communication skills needed for a deeper theoretical understanding of the discipline. You’ll also study the philosophical and linguistic issues at the root of the science of computation. Logic and Computation is available as a major in the Bachelor of Arts (BA) as well.

There’s no need for having studied any sort of computing at high school to be able to major in Logic and Computation. Digital technologies, physics, mathematics and/or statistics provide helpful background knowledge, but are not essential.

Recommendations
There are no particular prerequisites at the undergraduate level, but familiarity with mathematical thinking will help a lot.

For Logic and Computation we recommend the capstone course LOGICOMP 399.

Choosing a subject
With so many options it’s sometimes hard to choose what you want to study, but we’ve got you covered. You can study a double major with our Bachelor of Science to gain a broader base of skills and knowledge.

Complementary majors include:
- Computer Science
- Information and Technology Management
- Mathematics
- Physics
- Psychology
- Statistics

Conjoint a BSc to study 2 degrees at once.