

PHILOSOPHY: LOGIC AND PHILOSOPHY OF SCIENCE

FOUR ♦ YEAR PLAN

Minimum total units required for B.A. Degree: 120 ▪ Major Requirements total 40 units.

▪ Additional courses may be needed to meet remediation requirements in English and/or Math prior to completing GE requirements: A2 & B4

This form is designed to be used in partnership with GE and Major advisors - modifications may be necessary to meet the unique needs of each student. Seek assistance each semester to stay on track and graduate!

YEAR 1	Sem. 1	GE A3 (PHIL 4)	GE A1	GE A2	GE B1 or B2	GE E (FYS)	15 UNITS
	Sem. 2	GE C2 (PHIL 2/6/26)	GE C2 (PHIL 2/6/26)	GE D (US HIST)	GE B4	Elective	16 UNITS

YEAR 2	Sem. 3	GE C2 (PHIL 2/6/26)	PHIL 60 or 61	GE B1 or B2 w/ B3	Comp (ENGL 20)	GE D (US GOVT)	16 UNITS
	Sem. 4	PHIL 60 or 61	GE C1	GE D	Elective	Elective	15 UNITS

YEAR 3	Sem. 5	PHIL 127	PHIL 125 (GE B5-UD)	PHIL 104/103/105* (GE D-UD)	Elective	Elective	15 UNITS
	Sem. 6	PHIL 128	PHIL 100	PHIL 154/176	Elective	Elective	15 UNITS

YEAR 4	Sem. 7	PHIL 112*(GE C2-UD)	PHIL 180	PHIL 153	Elective	Elective	15 UNITS
	Sem. 8	PHIL 160	PHIL 181	PHIL 192D	PHIL 189 (1u)	Elective	13 UNITS

KEY:

	Major requirements
	GE/graduation requirements
	Electives (non-PHIL)

UD Upper Division
+ Race & Ethnicity
***** Writing Intensive (Complete WPJ or substitute ENGL 109W/M for elective in Semester); WI must be completed within the major.
FL If requirement was not met in high school or through testing, substitute two semesters of Foreign Language for electives.

NOTES:

- There is unlimited overlap between your major and GE courses.
- Elective courses may be used to satisfy a minor in another department.
- Writing Intensive completes the GVAR graduation requirement with C- in WI course.

TOTAL = 120 UNITS



Bachelor of Arts Degree - Logic and Philosophy of Science Concentration (40units)

For detailed guidance on a pathway through these requirements, see the LPS Major roadmap.

The concentration in Logic and Philosophy of Science is designed for students who are interested in the general nature of scientific inquiry and/or philosophical problems that arise within specific fields like psychology, biology, and physics. It is a good choice for the science-oriented philosophy major and will help to prepare those who are interested in further study at the graduate level. It is also an excellent double major for science students interested in broadening and deepening their grasp of their chosen field.

The concentration gives students an understanding of logical theory and how logic applies to scientific and philosophical reasoning and of issues in the philosophy of science. These include the nature of scientific explanation, the nature of scientific evidence, and the process of confirming and revising scientific theories. Philosophy of science also explores traditional philosophical questions as they arise in the context of scientific inquiry. Some of these are: Do we really know that the theoretical entities of science exist? What is the difference between science and pseudo-science? Do different sciences give us fundamentally different ways of understanding the world? Is science converging on truth or will it always undergo revolutionary changes that reject widely accepted theories of the past?

A. Lower Division Courses (3-6 units)

[PHIL 60](#) Symbolic Logic I **OR** [PHIL 61](#) Inductive Logic

One of the following may be counted toward the major requirements:

[PHIL 2](#) Ethics

[PHIL 4](#) Critical Thinking

[PHIL 6](#) Introduction to Philosophy: Knowledge, World and Self

[PHIL 26](#) History of Philosophy

B. Required Upper Division Courses (13 units)

[PHIL 127](#) History of Ancient Philosophy (3 units in Philosophy)

[PHIL 128](#) History of Modern Philosophy (3 units in Philosophy)

[PHIL 180](#) Knowledge and Understanding (6 units in philosophy or instructor permission)

[PHIL 181](#) Metaphysics (6 units in philosophy or instructor permission)

[PHIL 189](#) Senior Seminar (12 upper-division units in Philosophy)

C. Additional Required Upper Division Courses (6 units)

[PHIL 112](#) History of Ethics **OR** [PHIL 152](#) Ethical Theory

[PHIL 154](#) Philosophy of Language **OR** [PHIL 176](#) 20th Century Anglo-American Philosophy

D. Logic and Philosophy of Science (15 units)

Logic - take whichever was not used under Section A above:

[PHIL 60](#) Symbolic Logic I **OR** [PHIL 61](#) Inductive Logic

[PHIL 160](#) Deductive Logic II

Philosophy of Science:

[PHIL 125](#) Philosophy of Science

[PHIL 153](#) Philosophy of Mind

[PHIL 192D](#) Space and Time

E. Further Upper Division Electives (0-3 units)

Any courses listed above that are not taken to satisfy the above requirements; other upper division philosophy courses; courses in other departments (with consent of Department Chair or program coordinator).