

**Cover page for Sacramento State Philosophy program –
Major Concentration in Science, Reason, and Values**

This document introduces the Fall 2023 catalog version of our Major Concentration in Science, Reason, and Values.

Contents:

1. The requirements of the Fall 2023 catalog versions of all our programs. (1 page)
2. A roadmap of a path through the Fall 2023 catalog version of our Major Concentration in Science, Reason, and Values. (1 page)
3. The requirements of the pre-Fall 2023 version of that program. (1 page)
4. A roadmap of a path through the pre-Fall 2023 version of that program. (1 page)

Context:

- Philosophy’s Fall 2023 program changes in minor and major concentrations are now published in the university catalog.
- Each “new” student declaring a philosophy minor / major from this point forward will default to being enrolled in the Fall 2023 versions of these programs.
 - (Please contact a philosophy faculty member or the department chair to advise you before you declare and to complete the form in OnBase for you.)
- Each “old” student already a philosophy minor / major before this point will default to continuing in the pre-Fall 2023 versions of these programs—but we strongly encourage you to compare and declare an upgrade to the Fall 2023 catalog versions of these programs.
 - (Please contact your assigned philosophy faculty advisor or the department chair to advise you before you declare and to complete the form in OnBase for you.)

Overview of Fall 2023 catalog program changes for Philosophy at Sacramento State

Core requirements for all philosophy major concentrations (24 units)

A. Required Lower Division Courses (5 units)

- PHIL 89: Philosophical Methods (2u)
- PHIL 60: Deductive Logic I (3u)

B. Required Upper Division Courses (19 units)

- | | |
|---|--|
| <ul style="list-style-type: none"> • PHIL 112: History of Ethics (3u) • PHIL 127: History of Ancient Philosophy (3u) • PHIL 128: History of Modern Philosophy (3u) | <ul style="list-style-type: none"> • PHIL 180: Knowledge and Understanding (3u) • PHIL 181: Metaphysics (3u) • PHIL 182: Ethical Theory (3u) • PHIL 189: Senior Seminar (1u) |
|---|--|

Additional concentration specific requirements (18 units)

General Concentration

Core Electives (9 units)

Three additional courses numbered 150 or above

Additional Electives (9 units)

Three additional courses numbered above 60 not taken to satisfy Core Electives.

Ethics, Politics and Law

Core Electives (9 units)

- PHIL 122: Political Philosophy (3u)
- PHIL 155: Philosophy of Law (3u)
- PHIL 190: Selected Philosophers or PHIL 192: Topics In... (3u)

Additional Electives (9 units)

Three additional courses from the elective list that appears in the catalog requirements for this concentration:

- PHIL 61: Inductive Logic I
- PHIL 101: Ethics and Social Issues
- PHIL 102: Professional and Public Service Ethics
- PHIL 103: Business and Computer Ethics
- PHIL 104: Bioethics
- PHIL 105: Science and Human Values
- PHIL 106: Philosophy of Medicine
- PHIL 156: Philosophy of the Social Sciences
- PHIL 183: Rationality
- PHIL 190: Selected Philosophers
- PHIL 192: Topics In...
- PHIL 195: Philosophy Internship

Science, Reason and Values

Core Electives (9 units)

Three of the following:

- PHIL 105: Science and Human Values (3u)
- PHIL 125: Philosophy of Science (3u)
- PHIL 156: Philosophy of the Social Sciences (3u)
- PHIL 183: Rationality (3u)

Additional Electives (9 units)

Three additional courses from the elective list that appears in the catalog requirements for this concentration:

- PHIL 61: Inductive Logic I
- PHIL 104: Bioethics
- PHIL 105: Science and Human Values
- PHIL 106: Philosophy of Medicine
- PHIL 125: Philosophy of Science
- PHIL 153: Philosophy of Mind
- PHIL 154: Philosophy of Language
- PHIL 156: Philosophy of the Social Sciences
- PHIL 160: Deductive Logic II
- PHIL 183: Rationality
- PHIL 190: Selected Philosophers
- PHIL 192: Topics In...
- PHIL 195: Philosophy Internship

Note: The name of this program has been changed from the previous Logic and Philosophy of Science.

Optional Honors Concentration (4 units)

1. Maintain published 3.7 GPA eligibility
2. One (more) of PHIL 190 or 192 (3u)
3. PHIL 197 Honors Thesis (1u)

Philosophy Minor (18 units)

18 units of Philosophy, 9 of which must be Upper-Division.

PHILOSOPHY: SCIENCE, REASON, and VALUES

FOUR ♦ YEAR PLAN

Minimum total units required for B.A. Degree: 120 ▪ Major Requirements total 42 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 A1 | GE A3 (PHIL 4) | GE D (US GOVT) | GE B1 or B2 | GE E (FYS) | 15 UNITS |
| | Sem. 2 | GE A2 | GE C2 (PHIL 2/6/26) | GE D (US HIST) | GE B4 (PHIL 61) | Elective | 15 UNITS |
| YEAR 2 | Sem. 3 | PHIL 89 (2u) | GE B1 or B2 w/ B3 | Comp (ENGL 20) | Elective | Elective | 14 UNITS |
| | Sem. 4 | PHIL 60 | GE F | GE C-UD (PHIL 131) | Elective | Elective | 15 UNITS |
| YEAR 3 | Sem. 5 | PHIL 112* (GE C-UD) | PHIL 127 | PHIL 128 | GE C1 UD (PHIL 136) | Elective | 15 UNITS |
| | Sem. 6 | PHIL 105* (GE D-UD) | PHIL 156 | PHIL 125 (GE B5-UD) | Elective | Elective | 15 UNITS |
| YEAR 4 | Sem. 7 | PHIL 180 | PHIL 183 | PHIL 190 or 192 | Elective | Elective | 15 UNITS |
| | Sem. 8 | PHIL 181 | PHIL 182 | PHIL 189 (1u) | Elective | Elective | 16 UNITS |

KEY:

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

UD Upper Division

***** 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:

- This is a recommended path through this Concentration. Consult your advisor to explore course substitutions or alternative paths.
- Students should consider using elective courses to earn a relevant minor.
- 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).

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

