

# 2022 - 2023 Certificate Map

## History and Philosophy of Science

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe](#)

### Program Requirements

The certificate requires 18 credit hours from the HPS and PHI subjects. At least 12 credit hours must be completed at the upper-division level and all courses counting toward the certificate must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

#### **Required Course -- 3 credit hours**

[PHI 314 / HPS 314: Philosophy of Science \(HU\)](#) (3)

#### **Electives (choose five) -- 15 credit hours**

At least nine credit hours must be taken in upper-division HPS courses. Any upper-division HPS course may be used toward the certificate.

[HPS Upper Division Elective](#) (9)

[PHI 103: Principles of Sound Reasoning \(L or HU\)](#) (3)

[PHI 310: Environmental Ethics \(HU\)](#) (3)

[PHI 319: Philosophy, Computing and Artificial Intelligence \(CS\)](#) (3)

[PHI 320: Bioethics \(HU\)](#) (3)

[PHI 325: Philosophy of Social Science \(HU or SB\)](#) (3)

[PHI 328: History of Ancient Philosophy \(HU & H\)](#) (3)

[PHI 329: History of Modern Philosophy \(HU & H\)](#) (3)

[PHI 330: Theory of Knowledge \(HU\)](#) (3)

[PHI 331: Philosophy of Language \(HU\)](#) (3)

[PHI 332: Metaphysics \(HU\)](#) (3)

[PHI 333: Symbolic Logic](#) (3)

[PHI 334: Philosophy of Mind \(HU\)](#) (3)

[PHI 401: Rationalism](#) (3)

[PHI 402: Empiricism \(HU\)](#) (3)

[PHI 403: Contemporary Analytic Philosophy \(HU\)](#) (3)

[PHI 413: Advanced Symbolic Logic](#) (3)

[PHI 420: Topics in Philosophy](#) (3)

Other elective options may be applied with the approval of an academic advisor in the School of Life Sciences.

Prerequisite courses may be needed in order to complete the requirements of this certificate.