

# HISTORY AND PHILOSOPHY OF SCIENCE - MINOR

## College of Arts and Sciences

School of Multidisciplinary Social Sciences and Humanities  
www.kent.edu/multidisciplinary-studies

## About This Program

The minor in History and Philosophy of Science allows you to delve into the fascinating relationships between these fields, gain a deeper understanding of scientific thought and discovery and sharpen your critical thinking and analytical skills. With a flexible curriculum and supportive faculty, you can tailor the program to your interests and career goals. Read more...

## Contact Information

- Program Coordinator: **Matt Crawford** | mcrawf11@kent.edu () | 330-672-8913
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- Speak with an Advisor

## Program Delivery

- **Delivery:**
  - In person
- **Location:**
  - Kent Campus

## Admission Requirements

Admission to a minor is open to students declared in a bachelor's degree, the A.A.B. or A.A.S. degree or the A.T.S. degree (not Individualized Program major). Students declared only in the A.A. or A.S. degree or the A.T.S. degree in Individualized Program may not declare a minor. Students may not pursue a minor and a major in the same discipline.

## Program Requirements

### Minor Requirements

Code	Title	Credit Hours
HIST 31500	FOUNDATIONS IN THE HISTORY AND PHILOSOPHY OF SCIENCE	3
or PHIL 31080	FOUNDATIONS IN THE HISTORY AND PHILOSOPHY OF SCIENCE	
HIST 31543	THE SCIENTIFIC REVOLUTION	3
PHIL 41035	PHILOSOPHY OF SCIENCE	3
Science Electives, choose from the following: <sup>1</sup>		3-4
BSCI 10001	HUMAN BIOLOGY (KBS)	
BSCI 10002	LIFE ON PLANET EARTH (KBS)	
CHEM 10030	CHEMISTRY IN OUR WORLD (KBS)	
CHEM 10055	MOLECULES OF LIFE (KBS)	
CS 10001	COMPUTER LITERACY	
CS 10051	COMPUTER SCIENCE PRINCIPLES (KMCR)	
EMAT 10010	INTRODUCTION TO EMERGING MEDIA AND TECHNOLOGY	
ESCI 11040	HOW THE EARTH WORKS (KBS)	

ESCI 11042	EARTH AND LIFE THROUGH TIME (KBS)
MATH 10041	INTRODUCTORY STATISTICS (KMCR)
MATH 11008	EXPLORATIONS IN MODERN MATHEMATICS (KMCR)
MATH 11009	MODELING ALGEBRA (KMCR)
MATH 12021	CALCULUS FOR LIFE SCIENCES
PHY 11030	SEVEN IDEAS THAT SHOOK THE UNIVERSE (KBS)
PHY 21430	FRONTIERS IN ASTRONOMY (KBS)
PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)
History and Philosophy Electives, choose from the following:	
HIST 31550	MEDICINE IN THE MODERN WORLD SINCE 1500
HIST 41071	IDEAS IN ACTION: U.S. INTELLECTUAL HISTORY (DIVD)
PHIL 21002	INTRODUCTION TO FORMAL LOGIC (KMCR)
PHIL 30025	ENVIRONMENTAL ETHICS (ELR)
PHIL 31003	CONTINENTAL RATIONALISM (WIC)
PHIL 31004	BRITISH EMPIRICISM (WIC)
PHIL 41036	PHILOSOPHY OF COGNITIVE SCIENCE
PHIL 41037	RENAISSANCE AND EARLY MODERN PHILOSOPHY AND SCIENCE
PHIL 41040	EPISTEMOLOGY

**Minimum Total Credit Hours:** 18

<sup>1</sup> Students declared in a major from any of programs listed in the Science Electives do not need to take a course from Science Electives, and should select an additional course from the History and Philosophy Electives.

## Graduation Requirements

Minimum Minor GPA	Minimum Overall GPA
2.000	2.000

- Minimum 6 credit hours in the minor must be upper-division coursework (30000 and 40000 level).
- Minimum 6 credit hours in the minor must be outside of the course requirements for any major or other minor the student is pursuing.
- Minimum 50 percent of the total credit hours for the minor must be taken at Kent State (in residence).

## Full Description

The History and Philosophy of Science minor prepares students from a variety of related disciplines to think about science as a social, historical and philosophical enterprise. It will prepare students for graduate work in history of science, philosophy of science and science and technology studies, as well as for careers in areas of public and educational policy related to science.

Science is arguably the supreme intellectual enterprise of our species. It pervades nearly every aspect of modern society. Scientific research is heavily funded by governments and private institutions; courses in science are requirements at every level of education; scientific accomplishments are honored with awards and prizes; museums display scientific achievements and inventions. Moreover, the sheer depth and breadth of scientific progress through human history is monumental. All of this raises questions about what science is, how it works, and how it manages to be as successful as it is. These questions define the discipline known as the history and philosophy of science, which aims

to study science, to understand its goals and methods, its principles and practices and its failures and triumphs.