

# Certificate in History of Technology and Science

## About This Program

While the Certificate in the History of Technology and Science is open to all undergraduate students, those pursuing Majors in STEM-related disciplines will find it particularly valuable in advancing understanding of the historical origins and development of their vocational fields.

Students of history develop critical skills: the ability to reason and analyze, the capacity to investigate problems and synthesize diverse information and the facility for expressing ideas and information clearly.

## Competencies

1. Upon completion, students shall demonstrate their knowledge of how technological development and scientific innovation have shaped societies, cultures, and institutions across time and place.
2. Upon completion, students shall demonstrate competency in basic research applied to an issue relevant to the history of science and technology.
3. Upon completion, students shall demonstrate the ability to use technological development and scientific innovation as a category of analysis.
4. Upon completion, students shall demonstrate writing skills and be able to present an historical analysis or argument clearly, employing good style and grammar in the English written language.

## Curriculum

### HoTS Specialization

Select 4 from the following: 12

#### General Education Core <sup>1</sup>

HIST 1331	TECHNOLOGY AND SCIENCE IN AMERICAN SOCIETY, I
HIST 1332	TECHNOLOGY AND SCIENCE IN AMERICAN SOCIETY, II
HIST 2377	FLIGHT CULTURE AND THE HUMAN EXPERIENCE
GEOG 2301	PHYSICAL GEOGRAPHY
GEOG 2302	HUMAN GEOGRAPHY

#### History

HIST 3301	TECHNOLOGY, CULTURE, & SOCIETY
HIST 3303	HISTORY OF VIDEO GAMES
HIST 3307	U.S. DISABILITY HISTORY
HIST 3316	TECHNOLOGY AND INNOVATION IN MODERN AMERICA
HIST 3334	HISTORICAL GEOGRAPHY OF NORTH AMERICA
HIST 3336	ENVIRONMENTAL HISTORY OF THE UNITED STATES
HIST 3395	SELECTED TOPICS IN HISTORY (when topic is science/technology)
HIST 4303	HISTORY OF ENGINEERING
HIST 4307	HISTORY OF MEDICINE
HIST 4309	SOCIAL DARWINISM AND EUGENICS
HIST 4319	NATIVE AMERICANS, SCIENCE AND TECHNOLOGY
HIST 4327	CYBORGS AND PROSTHETICS
HIST 4351	MEDIEVAL TECHNOLOGY AND SCIENTIFIC THOUGHT
HIST 4355	THE SCIENTIFIC REVOLUTION

#### Geography

GEOG 4330	UNDERSTANDING GEOGRAPHIC INFORMATION SYSTEMS
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#### Anthropology

ANTH 3359	STONE TOOLS
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#### Sociology

SOCI 3380	SCIENCE AND TECHNOLOGY IN SOCIETY
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### Total Hours

12

<sup>1</sup> Although not required, the Department recommends that students include three core curriculum courses as part of their program of study: HIST 1331, HIST 1332, and HIST 2377.

## Advising Resources

All students with questions related to History and/or Geography classes at the undergraduate level should contact the undergraduate advisors.

### Location:

University Hall, Suite 201

### Email:

histgeogadvising@uta.edu

### Phone:

817-272-2861

### Web:

Department of History and Geography advising (<https://www.uta.edu/academics/schools-colleges/liberal-arts/departments/history/study-with-us/undergraduate/undergraduate-advising/>)