

**DEPARTMENT
OF THE
HISTORY OF SCIENCE**

THE UNIVERSITY OF OKLAHOMA



GRADUATE PROGRAM

October 2008

UNIVERSITY OF OKLAHOMA
DEPARTMENT OF THE HISTORY OF SCIENCE

Graduate Program in the History of Science

The mission of the Department of the History of Science is three-fold: to offer instruction to undergraduates; to offer instruction and guidance to graduate students; and to contribute to research in the history of science. Our graduate program is specifically designed for students who are interested in research and teaching careers in higher education, or professional positions in specialized libraries, museums, and other institutions. We seek students who want to work closely with creative and productive faculty in a collegial, professional, and scholarly environment. Students are expected to address their graduate training with a positive, constructive and highly motivated attitude necessary to succeed in their graduate work. They should have a sincere commitment to scholarship, possess a strong work ethic, and be receptive to instruction in both the classroom and individual research training. Students are also expected to work independently as well as participate fully in the activities of the program.

Our philosophy of graduate training is one of closely supervised mentorship and focused coursework. Doctoral training in the department is designed to produce historians who are scholarly, productive in research, effective in the classroom, and have high standards of professional conduct and responsibility. To this end, students are trained by encouraging them to adapt program materials to the wider discipline of the history of science. For example, seminar papers are expected to be of sufficient quality and form that they can be presented at professional meetings or submitted for publication; the prospectus for the thesis and dissertation should follow the standards necessary to secure external support of a project; and theses and dissertations are to be prepared to support a timely submission for publication. Students learn to make professional presentations by practicing them within the department, and then delivering them at professional meetings. In addition, as part of their professional training, graduate students have the opportunity to develop and teach courses. Close interaction between graduate students and faculty members is the norm.

GENERAL INFORMATION

Key people or committees who will be involved in graduate education include:

- The *Major Professor* (or “*Graduate Advisor*” prior to selection of a major professor) is the student’s mentor and primary resource for graduate training. Advice on coursework, research involvement, and ultimate career planning should be solicited routinely from the major professor / advisor.
- The *Graduate Liaison* has responsibility for administering the graduate program and serves as the primary representative of the department to the Graduate College. If you have any questions about Graduate College or departmental policy on graduate study, see the Graduate Liaison.
- The *Chair of the Department* makes all personnel assignments and is the ultimate administrative authority within the Department. He or she is a good source of information on general departmental policy, university requirements, etc.

- The *Graduate Studies Committee* monitors the graduate program and makes recommendations to the faculty about changes in the program or in policies that regulate the graduate training program. This committee also hears graduate student appeals.
- *Committee A* is the Executive Committee of the department and consists of two tenured faculty members elected by the faculty of the department. Their responsibility is to assist the chair in administrative issues.

In addition to the requirements of the Department, there are also general requirements of the Graduate College that students must satisfy to earn their degrees. The Dean of the Graduate College is responsible for administering these requirements. The *Graduate College Bulletin*, the *Graduate Assistant Handbook*, and the *Student Code* should be read carefully upon beginning graduate training, and should be consulted routinely to answer general questions that arise during the course of the student's program:

- Graduate College Homepage <http://gradweb.ou.edu/>
- *Graduate College Bulletin* <http://gradweb.ou.edu/current/gcbulletin/index.asp>
- *Graduate Assistant Handbook* <http://gradweb.ou.edu/current/gahandbook.pdf>
- *Statement on Academic Integrity* <http://www.ou.edu/provost/integrity/>

Information for Prospective Students

The graduate program in the history of science at the University of Oklahoma was founded in 1954. Students work toward M.A. and Ph.D. degrees in close contact with the faculty. In 2008-2009 there are 19 students in the graduate program.

The department offers courses of study that presume the student's broad historical interest in science's place in civilization. Department faculty members have scholarly interests ranging widely within the history of science in European and American cultures.

Each graduate student's program of study couples development of appropriate research specializations with establishment of a framework of general historical knowledge of science's growth and the cultural context of the scientific enterprise, from Antiquity to modern times. Students are encouraged to pursue diverse topics of study and research in advanced courses and seminars. General Examinations call for the student to demonstrate broad learning of the history of science since its ancient beginnings, as well as acquisition of appropriate research skills including an ability to read historical materials in languages relevant to the student's area of scholarly specialization.

LIBRARY FACILITIES

The University of Oklahoma's History of Science Collections, with over 93,000 volumes, represents a remarkable resource for study and research in the history of science. The Norman campus has a library system with holdings over 4.5 million volumes and more than 63,000 serials subscriptions.

FINANCIAL AID

The department awards graduate assistantships, with responsibilities both in research assistance and in support of the department's undergraduate instructional program; well-qualified applicants will be considered for fellowships that carry no responsibilities for research or for instructional assistance. Assistantships are awarded annually on a competitive basis. Decisions on assistantship awards are usually made in March. The academic-year stipend for a graduate assistantship in 2008-2009 is \$15,157. (Graduate assistants who have passed the General Examination for the Ph.D., and are thus Doctoral Candidates, receive half-time stipends of \$16,881). In conjunction with the department's responsibility for overseeing the History of Science Society's *Current Bibliography*, two graduate research assistants may be appointed to 12-month half-time positions at an annual stipend of \$18,539. The department is currently able to waive all of the out-of-state portion of tuition for graduate assistants. Partial in-state tuition waiver awards are also allocated annually.

Applicants to the graduate program who wish to be considered for the award of an assistantship should so inform the department chairman or graduate admissions coordinator when applying for admission.

APPLICATIONS

Applicants should submit completed forms and official transcripts to the Office of Admissions and Records. (Please note: Even when your intention is to work toward the doctoral degree, indicate on the application form that you are applying initially for admission to the Master's program--code 2216 M; exceptions may be made for applicants who have already earned a Master's degree in the field. See the department's Ph.D. program information sheet for more details. Applicants to the Dual Degree Program in History of Science and Library and Information Studies should use code 4952M).

In addition to the application sent to the Office of Admission and Records, each applicant should arrange to have three confidential letters of reference sent directly to the department, each accompanied by a completed Recommendation Form. Applicants should provide Graduate Record Examination scores (only the general test is necessary). In order to evaluate your aptitude and interest in the history of science, the department requests that you submit a 750-1000 word essay identifying your goals and particular interests in the history of science. This essay is a very important part of the application process, and you should prepare it carefully. In your essay, please try to address the following:

- your preparation for graduate study in history of science at the University of Oklahoma,
- previous reading in or study of the history of science or related fields,
- particular regional, temporal, or topical interests within the general field of history of science,
- specific reasons for seeking admission to the graduate program in history of science at the University of Oklahoma, and
- your career goals and how graduate study in history of science at the University of Oklahoma will contribute to their attainment

The department also asks each applicant to supply a writing sample. This could be a recent research or analytical paper submitted for an academic course or, alternatively, an original essay composed for this application. The essay should illustrate both the applicant's ability to address a research problem and his or her writing ability. We request only one sample, but a second may be included if desired. Please send no more than two.

These materials--letters of reference with Recommendation Forms, GRE scores, essay, and writing sample--should be sent to the department, not to Admissions and Records. The deadline to receive application materials is January 15, 2009.

The graduate program's structure is such that new students normally begin the course of study during the fall semester. In unusual circumstances, admission to the program starting in the spring may be possible; any applicant requesting admission for the spring semester should explain the situation warranting a departure from the usual schedule.

We especially wish to encourage applications from students with disabilities and from minority students. The University has a number of resources and programs to support diversity in the student body.

FOR FURTHER INFORMATION

For application materials and for more information on any aspect of the programs in the history of science, please write to:

Graduate Admissions Coordinator
Department of the History of Science
Physical Sciences, Room 625
The University of Oklahoma
Norman, OK 73019-3106

You may also inquire by telephone at 405-325-2213; or at the university's toll-free number 1-800-522-0772. When you reach the university operator, please identify yourself as a prospective student and ask to be connected with the graduate admissions coordinator of the history of science department at ext. 2213.

**Department of the History of Science
Department Faculty 2008-2009 and Their Research Interests**

CURRENT FULL-TIME DEPARTMENT FACULTY:

Peter Barker, Professor (Ph.D., SUNY Buffalo)

History and historiography of the Scientific Revolution; 19th and 20th century physical science; history of psychology; philosophy of science

Kathleen Crowther, Assistant Professor (Ph.D., Johns Hopkins)

Early Modern science and medicine; body and gender in early modern Europe; science and religion

Piers J. Hale, Assistant Professor (D.Phil, Lancaster University, England)

Science, technology, and society, social history of modern biology; biomedical and environmental ethics; British socialism, environmentalism and feminism; gender and the body; science and utopia

Hunter Heyck, Associate Professor (Ph.D., John Hopkins)

19th and 20th century science; science and social thought; history of technology, especially information technology; technology and the environment

Steven J. Livesey, Professor and Chair of the Department (Ph.D., U.C.L.A.)

Medieval science; history of early scientific methodologies; science in medieval universities

Kerry V. Magruder, Visiting Assistant Professor of Bibliography, History of Science Collections, Adjunct Assistant Professor of the History of Science (Ph.D., Oklahoma)

17th/18th century theories of the earth; early geology, cosmology; development of the historical sciences

Suzanne Moon, Assistant Professor (Ph.D., Cornell University)

History of technology, 20th-century international development, technology, science and colonialism, technology outside the western world, Southeast Asia, environment

Marilyn B. Ogilvie, Curator of the History of Science Collections, Professor of Bibliography

Professor of the History of Science (Ph.D., Oklahoma)

19th and 20th century science; history of women in science; modern biological science

Katherine Pandora, Associate Professor and Associates Presidential Professor (Ph.D., University of California at San Diego)

History of the human and the social sciences; American science and technology; natural history methodologies; cultural studies of science and technology

Rienk Vermij, Assistant Professor (Ph.D., University of Utrecht)

Cartesian natural philosophy; Copernicanism; early modern meteorology; Enlightenment; science and religion; science in the Netherlands

Stephen P. Weldon, Assistant Professor and History of Science Society Bibliographer (Ph.D., Wisconsin)

History of science and religion; study of the paranormal; modern biology and evolutionary psychology; American intellectual and cultural history

ADJUNCT FACULTY MEMBERS:

R. Richard Hamerla, Assistant Professor, Honors College, Adjunct Assistant Professor of the History of Science (Ph.D., Case Western Reserve)
History of the physical sciences; 19th-century science; history of chemistry; science in the 19th-century American West

Sarah W. Tracy, Assistant Professor, Honors College, Adjunct Assistant Professor of the History of Science (Ph.D., Pennsylvania)
History and sociology of medicine; medicine in American culture; gender and medicine; history of the human sciences; history of psychoactive substances; sociology of knowledge; science studies; medical anthropology

VISITING FACULTY:

JoAnn Palmeri, Visiting Assistant Professor (Ph.D., Oklahoma)
20th-century astronomy and cosmology; science and technology in American popular culture; science and religion

RESIDENT EMERITUS FACULTY:

David B. Kitts, David Ross Boyd Professor *emeritus* (Ph.D., Columbia)
History of geology and biology; philosophy of science

Kenneth L. Taylor, Professor and C.B. Hudson/Torchmark Presidential Professor *emeritus* (Ph.D., Harvard)
History of geology and natural history; 18th-century science

DEPARTMENT OF THE HISTORY OF SCIENCE

Course Descriptions

The department offers courses which are slashlisted so undergraduate students may take an undergraduate 4000-level course while graduate students may take a graduate 5000-level course. The lectures in a slashlisted course are the same. However, students in the 5000-level course have substantial additional requirements beyond those for students in the 4000-level course. These additional requirements are listed in the slashlisted course syllabus.

1133 Science and Popular Culture. Draws on interdisciplinary perspectives to examine the interplay between science and popular culture from the Scientific Revolution to the present. Topics include representations of science, scientists, and nature in popular literature, television, films, and documentaries; the development of zoos and science museums; children and science, and science journalism. (Sp) [IV-WC]

2103 The Origins and Development of Modern Science. Prerequisite: sophomore standing. May be repeated once with change of section. 1. Science and Civilization, 2. Science and Religion in Historical Perspective, 3. Science, Frauds and Fallacies, 4. History of Science and Technology, 5. History of Evolutionary Thought, 6. Science in Its Social Context: 1600 to the Present. (F, Sp, Su)

2213 The Darwinian Revolution. Consideration of social, political and theological issues associated with the development of evolutionary thought in the nineteenth and twentieth century's. Students will learn about both the origins and the reception of Darwinism, the state of natural history before Darwin and the fate of earlier evolutionary hypotheses. Consideration is also given to the social, philosophical, and religious implications that have been taken from Darwinism that endure into our own times, most notably perhaps, in the contemporary debates over genetic engineering and whether evolution should be taught in schools. (Irreg.)

2223 Lives in Science: History of Science Through Biography. Prerequisite: sophomore standing or permission of instructor. A biographical approach to the history of science. Accounts of selected scientific figures' lives are studied from various periods and cultures. Special attention is given to critical analysis and interpretation of scientific biographies, and to differing traditions in biographical treatment of scientists. (Sp) [IV-WC]

2333 Inventing the Modern World. A survey of the history of technology since 1500. The course emphasizes historical contexts and cultural meanings, not technical

details, as it explores the key steps in the construction of our modern technological world. Materials include literature and film as well as non-fiction. (F) [IV-WC]

†**G3013 History of Science to the Age of Newton.** Prerequisite: junior standing or permission. A survey of Western people's efforts to understand the natural world, from earliest historical times to the seventeenth century. (F, Sp, Su) [IV-WC]

†**G3023 The History of Science Since the Seventeenth Century.** Prerequisite: junior standing or permission. A survey of the historical and intellectual development of modern science. (F, Sp, Su) [IV-WC]

3413 Biomedical Ethics. Prerequisite: Junior standing or permission of instructor. Familiarize students with key concepts and debates in biomedical ethics through an analysis of their history. Consideration of a few of the pressing questions and their histories which may include: The patient/doctor relationship, medical research on humans and animals, reproductive rights and technologies, genetics, medical decisions at the end of life, and the allocation of scarce medical resources. These discussions will provide insight into the relationship between science and society. (Irreg.)

3423 Modern Medicine – A Historical Introduction. Prerequisite: junior standing or permission of instructor. Examines the history of modern medicine in Europe and America. Aims to connect medical ideas and practices to the broader social and cultural contexts in which they were developed. (Irreg.) [IV-WC]

3433 Science, Technology, and Politics: International Perspectives. Prerequisite: junior standing, or permission of instructor. Focuses on interactions among professionals, the public, and the state, with case studies drawn from different national contexts. Topics will vary, but can include such issues as AIDS; genetically-modified organisms; legal testimony; nuclear power; global warming; weapons development; mass transit; cloning; and science and engineering education. (Irreg.) [IV-WC]

3443 Historical Studies of Science in a Religious World. Prerequisite: junior standing or permission; previous history/history of science course recommended. An overview of major events in the intersection of science and religion from the Middle Ages to the present. Detailed look at the historical record and exploration of the background of the people involved, the social and political context, and the reasons why certain issues mattered so much. (Irreg.) [IV-WC]

3453 Science and Civilization in Islam. Prerequisite: junior standing or permission. History of scientific traditions and ideas in Islamic civilization, from the origins of Islam to the early modern period. Emphasis is on the derivation, development and transmission of Islamic science, as well as on the assimilation and influence of science within Islamic culture. (Sp) [IV-NW]

3463 Cold War Science. Prerequisite: junior standing or permission. Science and technology during the Cold War, including strategic weapons and SDI, medical experiments, the space race, science in popular culture, and science and foreign policy. (Irreg.) [IV-WC]

3473 History of Ecology and Environmentalism. Prerequisite: junior standing or permission of instructor. Explores the historical development and interaction of ecology as a profession and a political stance from the eighteenth through the twentieth century. The course centers on the science of ecology, with attention paid to the political ramifications of particular ideas and how they have been incorporated into environmental discussions (conservation, the Dust Bowl era, population control, the DDT controversy, and rainforest deforestation). (Irreg.) [IV-WC]

3483 Technology, Politics, and International Development. Prerequisite: Junior standing or permission of instructor. Explores the interactions between politics and technology that have informed efforts to produce developed industrial societies around the world. Examines the emergence of development thinking and practice in Japan and the colonized world, international development and the techno politics of decolonization, and contemporary issues in technology and development. (Irreg.)

3493 The Cultural History of Information. Prerequisite: junior standing or permission of instructor. An introduction to the history of information technologies and communications media from the printing press to the internet. Topics will include the print revolution, the advent of electronic communications, the growth of broadcast media, the development of the digital computer, and the internet boom. Course materials include novels and films as well as non-fiction. (Irreg.) [IV-WC]

3550 Topics in the History of Science. 1 to 3 hours. Prerequisite: junior standing and permission of instructor. May be repeated with change in content; maximum credit six hours. Topics of special interest in the history of science. (Irreg.)

3813 Science in the Ancient World. Prerequisite: junior standing or permission. An examination of science and scientific inquiry in the Near East and Greece in antiquity. Topics include the origins of ancient science, the transmission and interaction of various scientific traditions,

the relation between science and philosophy, the development of a concept of science, and the place of science within the cultures of the period. (Irreg.) [IV-WC]

3823 Science in Medieval Culture. Prerequisite: junior standing or permission. A survey of the historical development of medieval scientific, mathematical, medical, and philosophical thought. (Irreg.) [IV-WC]

3960 Honors Reading. 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will consist of topics designated by the instructor. The topics will cover materials not usually presented in regular coursework.

3970 Honors Seminar. 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. The projects covered will vary. The content will deal with concepts not usually presented in regular coursework.

3980 Honors Research. 1 to 3 hours. Prerequisite: admission to Honors Program. May be repeated; maximum credit six hours. Will provide an opportunity for the gifted honors candidate to work at a special project. (Irreg.)

4990 Independent Study. 1 to 3 hours. Prerequisite: three courses in general area to be studied; permission of instructor and department. May be repeated; maximum credit six hours. Contracted independent study for topic not currently offered in regularly scheduled courses. Independent study may include library and/or laboratory research and field projects. (F, Sp, Su)

G5513 Advanced Studies in the History of Ancient and Medieval Science. Prerequisite: 3013 or equivalent, or permission of instructor. May be repeated with change of content; maximum credit 12 hours. Thematic historical analyses of ancient and/or medieval foundations of science, focusing on the development of particular disciplines or scientific institutions, the relationship between science and religion, or transmission of science. Includes examination of sources and critical assessment of scholarly interpretations. (Irreg.)

G5523 Advanced Studies in the History of Renaissance and Early Modern Science. Prerequisite: 3013 or 3023, or equivalent, or permission of instructor. May be repeated with change of content; maximum credit 12 hours. Thematic historical analyses of scientific ideas and practices in the scientific revolution and the ideas and practices in the scientific revolution and the enlightenment, 16th–18th centuries. Includes examination of sources and critical assessment of scholarly interpretations. (Irreg.)

G5533 Advanced Studies in the History of Modern Science. Prerequisite: 3023, or equivalent, or permission

of instructor. May be repeated with change of content; maximum credit 12 hours. Thematic historical analyses of modern science and culture focusing on the European and American development and professionalization of scientific disciplines, interdisciplinary relationships among the sciences, and intersections between scientific and public culture. Includes examination of sources and critical assessment of scholarly interpretations. (Irreg.)

G5550 Topics in the History of Science. 1 to 3 hours. Prerequisite: graduate standing and permission of instructor. May be repeated with change of content; maximum credit 12 hours. Topics of scholarly interest in the history of science.

G5960 Directed Readings in the History of Science. 1 to 4 hours. Prerequisite: graduate standing and permission of instructor. May be repeated with change of content; maximum credit six hours toward M.A. degree, 12 hours toward Ph.D. degree. Intensive readings in a selected area of the history of science, under the direction of a graduate faculty member.

G5970 Seminar: Research, Criticism and Analysis. 2 to 3 hours. Prerequisite: permission of instructor. May be repeated with change of content; maximum credit 15 hours. Fundamentals of investigation and exposition in the history of science. (F, Sp)

G5980 Research for Master's Thesis. Variable enrollment, two to nine hours; maximum credit applicable toward degree, four hours. (F, Sp, Su)

G5990 Special Studies. 2 to 5 hours. Prerequisite: permission of instructor. May be repeated with change of content; maximum credit nine hours. Specialized studies in the history of science. Individual research culminating in the preparation of a research paper. (F, Sp, Su)

G6970 Seminar in the History of Science. 2 to 3 hours. Prerequisite: permission of instructor. May be repeated with change of content; maximum credit 15 hours. Advanced study and historical criticism in specialized areas. (F, Sp)

G6980 Research for Doctor's Dissertation. 2 to 16 hours. (F, Sp, Su)



The History of Science Program at the University of Oklahoma

The Andrew W. Mellon Travel Fellowship Program

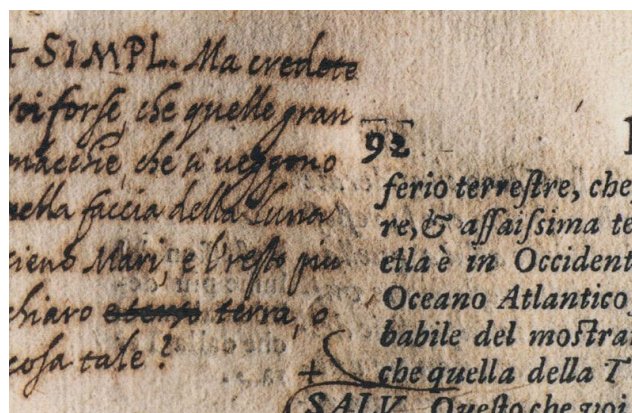
Through a generous endowment made by the Andrew W. Mellon Foundation to the History of Science Department and the History of Science Collections, the **University of Oklahoma** announces a travel fellowship program for visitors to make use of its resources for research in the History of Science. The **Andrew W. Mellon Travel Fellowship Program** is intended to assist scholars at both pre-doctoral and post-doctoral levels.

The program is designed to provide travel expenses and a reasonable per diem to researchers who reside outside the central Oklahoma area, and who have well-defined research projects that can be served by the holdings of the History of Science Collections. Support is available for qualifying projects for periods ranging from two to eight weeks. It is expected that pre-doctoral applicants will be graduate students actively engaged in projects for the M.A. thesis or Ph.D. dissertation that are formally approved at the student's home institution. Although there is no limitation on the subject field of investigation, applicants must demonstrate the utility of materials in the History of Science Collections.

Fellowship projects can be scheduled at any part of the year during which the Collections are available. Applicants preparing proposals should contact the Curator or the Assistant to the Curator for information. To preserve the timeliness of travel fellowships, proposals will be evaluated three times each year, with deadlines for submission October 15 (for research conducted January 1 - April 30), February 15 (for research conducted May 1 - August 30) and May 15 (for research conducted September 1 - December 30). On-campus accommodations conveniently located near the Collections can be arranged for fellows.

For information, please contact:

The University of Oklahoma
The Andrew W. Mellon
Travel Fellowship Program
Bizzell Library
401 West Brooks, Room 521
Norman, OK 73019-0528
libraries.ou.edu/etc/histsci/mellon.asp
mogilvie@ou.edu · kmagruder@ou.edu





DUAL DEGREE PROGRAM

The Graduate College approves proposals for dual degree programs. These programs include graduate courses earned in two departments. The programs may be designed for a specific student or established by agreement between departments. For such programs, the Graduate College requires a minimum of 18 courses or 54 credit hours, including a minimum of 27 hours in each department or school. Students should consult with an adviser about options for a dual master degree. The Master of Library and Information Studies/Master of Arts in History of Science program is an example of a dual degree program established by a department and the School of Library and Information Studies. Students must be admitted to both degrees before twelve hours are completed in one.

Master of Library and Information Studies/Master of Arts in History of Science (M.L.I.S./M.A.)

The purpose of this program is to provide a course of study for those individuals planning for a career in librarianship as a science librarian, as a curator of a rare book and manuscript collection in the history of science/health sciences, or as a public historian or archivist in the history of science.

Students must apply to and be accepted by each department. Dual degree students work with a joint advising committee made up of members of both units. They meet the requirements for the master's degree in each department, including the comprehensive master's degree examination or the master's thesis (a portfolio is a third option for the MLIS degree). Language proficiency, usually in French, German, or Latin, is required in the History of Science Department.

The total course load requirement is 18 courses or 54 credit hours, including a minimum of 27 credit hours in each department. Students may choose to write a thesis in the History of Science Department and/or the School of Library and Information Studies if they wish.

Students must simultaneously apply for graduation for both degrees. Both degrees must be completed before either is awarded.

HISTORY OF SCIENCE DEGREE REQUIREMENTS (27 HOURS)

HSCI 5970 Seminar in Research, Criticism, & Analysis	6 hours
HSCI 5990 Special Studies/Graduate Survey in History of Science	6 hours
HSCI 5513 Advanced Studies in the History of Ancient and Medieval Science	3 hours
HSCI 5523 Advanced Studies in the History of Renaissance and Early Modern Science	3 hours
HSCI 5533 Advanced Studies in the History of Modern Science	3 hours
Elective Courses: student may choose among approved courses outside the department (e.g., History), and department offerings, such as HSCI 5550 and HSCI 5960	3 hours

THE AMERICAN LIBRARY ASSOCIATION (ALA) ACCREDITED MASTER OF LIBRARY AND INFORMATION STUDIES DEGREE REQUIREMENTS (27 HOURS)

Required courses, 12 hours:

LIS 5033 Information and Knowledge Society
LIS 5023 Management of Information and Knowledge Organizations
LIS 5043 Organization of Information and Knowledge Resources
LIS 5053 Information Users in the Knowledge Society

Guided electives, 15 hours; at least one course from each of the following categories:

Learning Organizations and Organizational Culture

Prerequisites: LIS 5033 Information and Knowledge Society and LIS 5023 Management of Information and Knowledge Organizations

HR 5033 Seminar in Leadership in Organizations
HR 5073 Creative Problem Solving
LIS 5223 Information Technology Management
LIS 5243 Academic Library Administration
LIS 5253 Community Relations and Advocacy
LIS 5263 Organizational Learning and Learning Organizations
LIS 5273 Public Library Administration
LIS 5283 School Library Media Center Administration
LIS 5293 Special Library and Information Center Administration
ODYN 5113 The Psychology of Leadership

Information Technology

Corequisite: LIS 5033 Information and Knowledge Society
LIS 5533 Introduction to Instructional Technology

LIS 5603 Information Systems and Networks
LIS 5643 Knowledge Representation
LIS 5653 Preservation of Information Materials
LIS 5990 Database Management
LIS 5990 Digital Collections
LIS 5990 Information Security

Content Management

Prerequisites: LIS 5033 Information and Knowledge Society and LIS 5043 Organization of Information and Knowledge Resources

LIS 5403 Cataloging and Classification
LIS 5413 Indexing and Abstracting
LIS 5423 Archives
LIS 5433 Design and Implementation of Web-based Information Services
LIS 5473 Document and Records Management
LIS 5543 Collection Development and Management

Access to Knowledge Structures

Prerequisites: LIS 5033 Information and Knowledge Society and LIS 5053 Information Users in the Knowledge Society

LIS 5503 Information Literacy and Instruction
LIS 5513 Information Sources and Services
LIS 5523 Online Information Retrieval
LIS 5553 Competitive Intelligence

Research, Production, and Evaluation

Prerequisites: LIS 5033 Information and Knowledge Society, LIS 5023 Management of Information and Knowledge Organizations, LIS 5043 Organization of Information and Knowledge Resources, and LIS 5053 Information Users in the Knowledge Society

LIS 5713 Research Methods
LIS 5990 Evaluation of Information Services and Products (5733) (option for non-thesis students)
LIS 5990 Informetrics (5743)

In addition to course requirements, the Graduate College requires all candidates for an advanced degree to complete an end of program assessment. For the MLIS, the School offers three options: the comprehensive examination, the thesis, or the portfolio.

History of Science Department
601 Elm Street, Room 625
Norman, Oklahoma 73019-0315
(405) 325-2213
email: suzannemoon@ou.edu

School of Library and Information Studies
401 West Brooks, Room 120
Norman, Oklahoma 73019-6032
(405) 325-3921
e-mail: mryan@ou.edu

FOR FURTHER INFORMATION:

**DEPARTMENT OF THE HISTORY OF SCIENCE
THE UNIVERSITY OF OKLAHOMA
601 ELM, ROOM 625
NORMAN, OK 73019-0315
PHONE: (405) 325-2213
FAX: (405) 325-2363**

WWW.OU.EDU/CAS/HSCI

**Cover illustration: Detail from
Nathaniel Whittock, "The Geological Lecture Room, Oxford" (1823)
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